

# **Department of Veterans Affairs**

## **VistA Scheduling Enhancements (VSE)**

**Enhancement 1: An Aggregated View of VistA Clinic Profile  
Scheduling Grids for VistA Scheduling**

**Enhancement 2: A Single Queue for Appointment Requests**

**SD\*5.3\*627**

**SD\*5.3\*642**

**Enhancement 3: Resource Management Reporting**

**SD\*5.3\*628**

## **Additional Enhancements**

**VS GUI**

**SD\*5.3\*658**

**SD\*5.3\*669**

## **Technical Manual**



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# 1. Overview

This manual provides Department of Veterans Affairs (VA) site managers with a technical description of the Veterans Health Information System and Technology Architecture (VistA) Scheduling Graphical User Interface (GUI) routines, files, menus, cross references, globals, and other necessary information required to effectively manage the system.

The VistA Scheduling GUI module has the following features:

- Microsoft (MS) Windows user interface
- Graphical patient, clinic, provider, and resource scheduling
- Tight linkage to VistA patient and clinic data
- Graphical resource and clinic availability scheduling
- Printing and What You See Is What You Get (WYSIWYG) print preview of clinic schedules
- Graphical patient check-in links to VistA/PCC Plus (PCC+) check-in
- Reschedule and manipulate appointments using standard Windows cut/paste metaphors utilities procedures
- Schedule multiple appointments during a time block
- Store and retrieve clinic availability patterns
- Simultaneously view schedules for multiple clinics
- Resource Management Reporting for viewing metrics related clinic appointments and patient encounters in VistA

## 1.1. Security

The VistA Scheduling GUI uses VistA security keys to limit user's ability to change system set-up parameters and patient information. In other words, not all VistA Scheduling GUI options are available to all users. Contact the site administrator to determine or change security keys.

## 1.2. Rules of Behavior

All VistA users are required to observe VA rules of behavior regarding patient privacy and the security of both patient information, and VA computers and networks.

## 1.3. Orientation

The VistA Scheduling GUI module has no VistA server menu options. The only VistA server preparation specifically required to run VistA Scheduling GUI is to install patches SD\*5.3\*627, SD\*5.3\*642, SD\*5.3\*628, and SD\*5.3\*658, and use the Kernel Installation and Distribution System (KIDS) module to assign appropriate security keys to users. The rest of the module runs on the PC client and can be managed from there.

Interaction of VistA Scheduling GUI with the VistA system is accomplished entirely via the use of Remote Procedure Calls (RPCs).

## 2. Implementation and Maintenance

VistA Scheduling GUI provides a Windows interface for the Patient Information Management System (PIMS) Scheduling software and is designed to interoperate with existing PIMS schedules.

### 2.1. System Requirements

- Server
  - Cache version 5.0
  - Kernel version 8
  - PIMS version 5.3 patch 1012
  - VistA Scheduling Patch SD\*5.3\*627
  - VistA Scheduling Patch SD\*5.3\*628
  - VistA Scheduling Patch SD\*5.3\*642
  - VistA Scheduling Patch SD\*5.3\*658
- Client
  - .Net version 4.0 or higher
  - Four (4) gigabyte (GB) random access memory (RAM)

### 2.2. Package-Wide Variables

There are no package-wide variables associated with the PIMS package.

### 2.3. Menu Diagram

VistA Scheduling GUI menus are discussed in detail in the *VistA Scheduling Enhancements VS GUI User Guide*.

### 2.4. Routines

Table 1: Routines and Description

Routine	Description
SDAM2	ALB/MJK - Appt Mgt (cont)
SDAMWI1	ALB/MJK - Walk-Ins (cont.)
SDAPIAP	ALB/MJK - Outpatient API/Appointments
SDB	FLA/RF,BSN/GRR - SET UP A CLINIC
SDB1	ALB/GRR - SET UP A CLINIC
SDC	MAN/GRR,ALB/LDB - CANCEL A CLINIC'S AVAILABILITY

<b>Routine</b>	<b>Description</b>
SDCNP0	ALB/LDB - CANCEL APPT. FOR A PATIENT
SDCNSLT	ALB/HAG - LINK APPOINTMENTS TO CONSULTS
SDCODEL	ALB/RMO,ESW - Delete - Check Out
SDEC	ALB/SAT - VISTA SCHEDULING RPCs
SDEC01	ALB/SAT - VISTA SCHEDULING RPCs
SDEC01A	ALB/SAT - VISTA SCHEDULING RPCs
SDEC01B	ALB/SAT - VISTA SCHEDULING RPCs
SDEC02	ALB/SAT - VISTA SCHEDULING RPCs
SDEC03	ALB/SAT - VISTA SCHEDULING RPCs
SDEC04	ALB/SAT - VISTA SCHEDULING RPCs
SDEC05	ALB/SAT - VISTA SCHEDULING RPCs
SDEC06	ALB/SAT - VISTA SCHEDULING RPCs
SDEC07	ALB/SAT - VISTA SCHEDULING RPCs
SDEC07A	ALB/SAT - VISTA SCHEDULING RPCs
SDEC07B	ALB/SAT - VISTA SCHEDULING RPCs
SDEC08	ALB/SAT - VISTA SCHEDULING RPCs
SDEC09	ALB/SAT - VISTA SCHEDULING RPCs
SDEC12	ALB/SAT - VISTA SCHEDULING RPCs
SDEC13	ALB/SAT - VISTA SCHEDULING RPCs
SDEC14	ALB/SAT - VISTA SCHEDULING RPCs
SDEC15	ALB/SAT - VISTA SCHEDULING RPCs
SDEC16	ALB/SAT - VISTA SCHEDULING RPCs
SDEC17	ALB/SAT - VISTA SCHEDULING RPCs
SDEC18	ALB/SAT - VISTA SCHEDULING RPCs
SDEC19	ALB/SAT - VISTA SCHEDULING RPCs
SDEC20	ALB/SAT - VISTA SCHEDULING RPCs
SDEC21	ALB/SAT - VISTA SCHEDULING RPCs
SDEC22	ALB/SAT - VISTA SCHEDULING RPCs

<b>Routine</b>	<b>Description</b>
SDEC23	ALB/SAT - VISTA SCHEDULING RPCs
SDEC24	ALB/SAT - VISTA SCHEDULING RPCs
SDEC25	ALB/SAT - VISTA SCHEDULING RPCs
SDEC25A	ALB/SAT - VISTA SCHEDULING RPCs
SDEC25B	ALB/SAT - VISTA SCHEDULING RPCs
SDEC26	ALB/SAT - VISTA SCHEDULING RPCs
SDEC27	ALB/SAT - VISTA SCHEDULING RPCs
SDEC28	ALB/SAT - VISTA SCHEDULING RPCs
SDEC29	ALB/SAT - VISTA SCHEDULING RPCs
SDEC30	ALB/SAT - VISTA SCHEDULING RPCs
SDEC31	ALB/SAT - VISTA SCHEDULING RPCs
SDEC32	ALB/SAT - VISTA SCHEDULING RPCs
SDEC33	ALB/SAT - VISTA SCHEDULING RPCs
SDEC34	ALB/SAT - VISTA SCHEDULING RPCs
SDEC35	ALB/SAT - VISTA SCHEDULING RPCs
SDEC36	ALB/SAT - VISTA SCHEDULING RPCs
SDEC37	ALB/SAT - VISTA SCHEDULING RPCs
SDEC38	ALB/SAT - VISTA SCHEDULING RPCs
SDEC40	ALB/SAT - VISTA SCHEDULING RPCs
SDEC44	ALB/SAT - VISTA SCHEDULING RPCs
SDEC45	ALB/SAT - VISTA SCHEDULING RPCs
SDEC46	ALB/SAT - VISTA SCHEDULING RPCs
SDEC47	ALB/SAT - VISTA SCHEDULING RPCs
SDEC48	ALB/SAT - VISTA SCHEDULING RPCs
SDEC49	ALB/SAT - VISTA SCHEDULING RPCs
SDEC50	ALB/SAT - VISTA SCHEDULING RPCs
SDEC51	ALB/SAT - VISTA SCHEDULING RPCs
SDEC51A	ALB/SAT – VISTA SCHEDULING RPCs

<b>Routine</b>	<b>Description</b>
SDEC52	ALB/SAT - VISTA SCHEDULING RPCs
SDEC52A	ALB/SAT - VISTA SCHEDULING RPCs
SDEC52B	ALB/SAT - VISTA SCHEDULING RPCs
SDEC53	ALB/SAT - VISTA SCHEDULING RPCs
SDEC54	ALB/SAT - VISTA SCHEDULING RPCs
SDEC54A	ALB/SAT - VISTA SCHEDULING RPCs
SDEC55	ALB/SAT - VISTA SCHEDULING RPCs
SDEC55A	ALB/SAT - VISTA SCHEDULING RPCs
SDEC56	ALB/SAT - VISTA SCHEDULING RPCs
SDEC57	ALB/SAT - VISTA SCHEDULING RPCs
SDEC57A	ALB/SAT - VISTA SCHEDULING RPCs
SDEC658	ALB/SAT VISTA SCHEDULING PRE/POST
SDEC658A	ALB/SAT/JSM - VISTA SCHEDULING PRE/POST (CONTINUED)
SDEC658B	ALB/SAT/JSM - VISTA SCHEDULING PRE/POST (CONTINUED)
SDECALV	ALB/SAT - VISTA SCHEDULING RPCs
SDECALV1	ALB/SAT - VISTA SCHEDULING RPCs
SDECALVR	ALB/SAT - VISTA SCHEDULING RPCs
SDECAPI	ALB/SAT - VISTA SCHEDULING RPCs
SDECAPI4	ALB/SAT - VISTA SCHEDULING RPCs
SDECDIQ1	ALB/SAT - VISTA SCHEDULING RPCs
SDECAR	ALB/SAT - VISTA SCHEDULING RPCs
SDECAR1	ALB/SAT - VISTA SCHEDULING RPCs
SDECAR1A	ALB/SAT - VISTA SCHEDULING RPCs
SDECAR2	ALB/SAT - VISTA SCHEDULING RPCs
SDECAR3	ALB/SAT/JSM – VISTA SCHEDULING RPCs
SDECCLN	ALB/RBD - VISTA SCHEDULING CLEANUP UTILITY
SDECDEM	ALB/SAT – VISTA SCHEDULING RPCs

<b>Routine</b>	<b>Description</b>
SDECDEV	ALB/SAT - VISTA SCHEDULING RPCs
SDECDIQ1	ALB/SAT - VISTA SCHEDULING RPCs
SDECDIS	ALB/SAT - VISTA SCHEDULING RPCs
SDECEKL	ALB/SAT - VISTA SCHEDULING RPCs
SDECERR	ALB/SAT - VISTA SCHEDULING RPCs
SDECF	ALB/SAT - VISTA SCHEDULING RPCs
SDECF2	ALB/SAT - VISTA SCHEDULING RPCs
SDECFUNC	ALB/SAT - VISTA SCHEDULING RPCs
SDECGMR	ALB/SAT - VISTA SCHEDULING RPCs
SDECI2	ALB/SAT - VISTA SCHEDULING RELEASE 2 PRE/POST INSTALL
SDECIDX	ALB/SAT - VISTA SCHEDULING RPCs
SDECINI1	ALB/SAT - VISTA SCHEDULING PRE/POST INSTALL
SDECINI2	ALB/SAT - VISTA SCHEDULING PRE/POST INSTALL
SDECINIT	ALB/SAT - VISTA SCHEDULING PRE/POST INSTALL
SDECLK	ALB/SAT - VISTA SCHEDULING RPCs
SDECLOC	ALB/SAT – VISTA SCHEDULING RPCs
SDECNEW	ALB/SAT - VISTA SCHEDULING RPCs
SDECPAT	ALB/SAT - VISTA SCHEDULING RPCs
SDECPAT1	ALB/SAT - VISTA SCHEDULING RPCs
SDECPAT2	ALB/SAT - VISTA SCHEDULING RPCs
SDECPAT3	ALB/SAT - VISTA SCHEDULING RPCs
SDECPAT4	ALB/SAT - VISTA SCHEDULING RPCs
SDECPT	ALB/SAT - VISTA SCHEDULING RPCs
SDECPTCX	ALB/SAT - VISTA SCHEDULING RPCs
SDECPTPC	ALB/SAT - VISTA SCHEDULING RPCs
SDECPTPL	ALB/SAT - VISTA SCHEDULING RPCs
SDECRMG	ALB/SAT - VISTA SCHEDULING RPCs

<b>Routine</b>	<b>Description</b>
SDECRMG1	ALB/SAT - VISTA SCHEDULING RPCs
SDECRMG2	ALB/SAT - VISTA SCHEDULING RPCs
SDECRMGP	ALB/JSM - VISTA SCHEDULING RPCs
SDECRPC	ALB/SAT - VISTA SCHEDULING RPCs
SDECRPT	ALB/BNT - SCHEDULING ENHANCEMENTS CLINIC REPORTS
SDECRPT1	ALB/JSM - SCHEDULING ENHANCEMENTS CLINIC REPORTS
SDECRT	ALB/SAT - VISTA SCHEDULING RPCs
SDECRT0	ALB/SAT - VISTA SCHEDULING RPCs
SDECRT1	ALB/SAT - VISTA SCHEDULING RPCs
SDECRT2	ALB/SAT - VISTA SCHEDULING RPCs
SDECSFGR	ALB/SAT - VISTA SCHEDULING RPCs
SDECU	ALB/SAT - VISTA SCHEDULING RPCs
SDECU2	ALB/SAT - VISTA SCHEDULING RPCs
SDECU3	ALB/SAT – VISTA SCHEDULING RPCs
SDECU4	ALB/JSM - VISTA SCHEDULING RPCs
SDECUT1A	ALB/SAT - VISTA SCHEDULING RPCs
SDECUTL	ALB/SAT - VISTA SCHEDULING RPCs
SDECUTL1	ALB/SAT - VISTA SCHEDULING RPCs
SDECUTL2	ALB/SAT - VISTA SCHEDULING RPCs
SDECV	ALB/SAT - VISTA SCHEDULING RPCs
SDECWL	ALB/SAT - VISTA SCHEDULING RPCs
SDECWL1	ALB/SAT - VISTA SCHEDULING RPCs
SDECWL2	ALB/SAT - VISTA SCHEDULING RPCs
SDECWL3	ALB/SAT - VISTA SCHEDULING RPCs
SDM1A	SF/GFT,ALB/TMP - MAKE APPOINTMENT
SDMM1	ALB/GRR - MULTIPLE BOOKINGS
SDN	SF/GFT,ALB/LDB - RECORD NO SHOWS

<b>Routine</b>	<b>Description</b>
SDNACT	ALB/TMP - INACTIVATE A CLINIC
SDREACT	ALB/TMP - REACTIVATE A CLINIC
SDRRISRU	10N20/MAH; Recall Reminder Utilities
SD628PST	SD*5.3*628 Post Install Routine
SDCED	VSE ENCOUNTER XREF
SDCED1	VSE ENCOUNTER XREF
SDCED2	VSE ENCOUNTER XREF
SDECRPT	VSE CLINIC APPOINTMENTS
SDECSTP	VSE RESOURCE MANAGEMENT REPORT STOP CODES
SDWLPL	IOFO BAY PINES/DMR,ESW - WAIT LIST PICK LIST
SDECXML	VSE RESOURCE MANAGEMENT REPORT XML DATA
SDECXML1	VSE RESOURCE MANAGEMENT REPORT XML DATA
SDECXML2	VSE RESOURCE MANAGEMENT REPORT XML DATA
SDECXML3	VSE RESOURCE MANAGEMENT REPORT XML DATA
SDECXML4	VSE RESOURCE MANAGEMENT REPORT XML DATA
SDECXML5	VSE RESOURCE MANAGEMENT REPORT XML DATA
SDECXUTL	VSE RESOURCE MANAGEMENT REPORT XML UTILITY
SDECCON	SPFO/DMR SCHEDULING ENHANCEMENTS VSE CONTACT API
SDECEP	SPFO/DMR SCHEDULING ENHANCEMENTS VSE EP API
SDECEPT	SPFO/RT SCHEDULING ENHANCEMENTS VSE EP API
SDECELG	SPFO/DMR SCHEDULING ENHANCEMENTS VSE API
SDEC07	ALB/SAT - VISTA SCHEDULING RPCS
SDEC07B	ALB/SAT - VISTA SCHEDULING RPCS
SD53699	SPFO/DMR SCHEDULING ENCHANCEMENTS VSE



## 2.5. Files and Tables

Table 2: File Numbers and Names

File Number	File Name
44	HOSPITAL LOCATION
403.5	RECALL REMINDERS
403.56	RECALL REMINDERS REMOVED
409.3	SD WAIT LIST
409.822	SDEC ACCESS GROUP
409.824	SDEC ACCESS GROUP TYPE
409.823	SDEC ACCESS TYPE
409.834	SDEC ADDITIONAL RESOURCE
409.81	SDEC APPLICATION
409.84	SDEC APPOINTMENT
409.845	SDEC PREFERENCES AND SPECIAL NEEDS
409.85	SDEC APPT REQUEST
409.831	SDEC RESOURCE
409.832	SDEC RESOURCE GROUP
409.833	SDEC RESOURCE USER
409.86	SDEC CONTACT

### 2.5.1. File Access

Table 3: File Access

File Number	GLOBAL	READ	WRITE	LAYGO	DATA DICTIONARY	DELETE
44	^SC(	d	D	D	@	@
403.5	^SD(403.5,			@	@	@
403.56	^SD(403.56,			@	@	@
409.3	^SDWL(409.3,		D	D	@	@
409.822	^SDEC(409.822,					
409.824	^SDEC(409.824,					
409.823	^SDEC(409.823,					
409.834	^SDEC(409.834,					

409.81	^SDEC(409.81,					
409.84	^SDEC(409.84,					
409.85	^SDEC(409.85,					
409.845	^SDEC(409.845,					
409.831	^SDEC(409.831,					
409.832	^SDEC(409.832,					
409.833	^SDEC(409.833,					
409.86	^SDEC(409.86,					

## 2.5.2. Client Application Dependencies and Files

Table 4: Clinical Scheduler Distributable Files

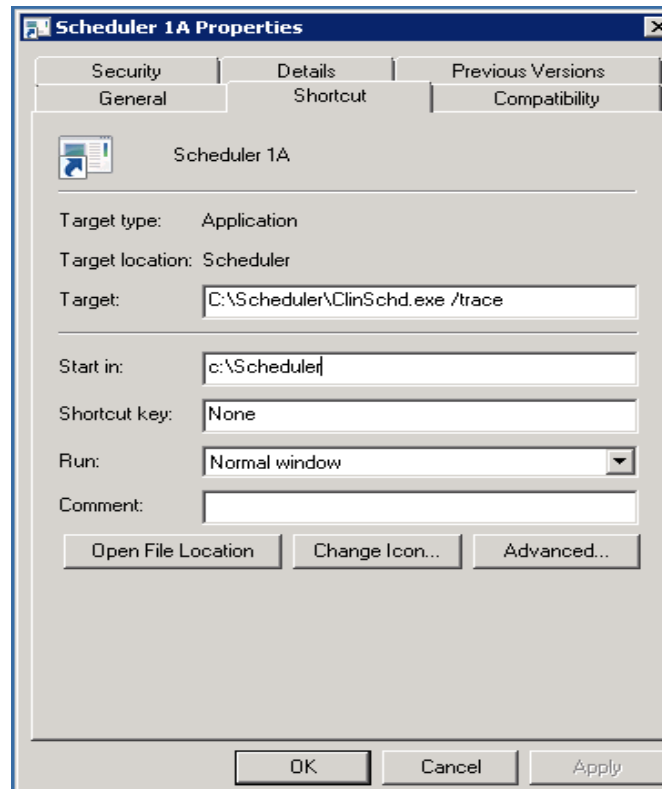
Clinical Scheduler Files	Description
ClinSchd.exe	This is the main executable that launches the application.
ClinSchd.Infrastructure.dll	This library contains the application models, behaviors, events, interfaces, static information, threading capability and other common functionality used by the application and its supporting modules.
CancelAppt.dll	This is required functionality for cancelling appointments and appointment requests.
ChangeDivision.dll	This is required functionality for changing divisions and invoking authentication functionality for division.
CheckIn.dll	This is required functionality to check-in patients for a selected appointment.
CheckOut.dll	This is required functionality to check-out patients for a selected appointment.
DataAccess.dll	This is the primary data access layer designed to interface with VistA RPCs.
FindAppt.dll	This is required functionality for searching and finding appointments based on criteria set.
Management.dll	This is required functionality for managing users, clinics, and clinic groups.
MarkAsNoShow.dll	This is required functionality to update appointment status to "No Show".
Navigation.dll	This library handles the layout and grouping of services and objects within the GUI display.
PatientAppt.dll	This is required functionality to create new appointments.
PatientSelection.dll	This is required functionality to select a patient from the VistA patient file.
Reports.dll	This is required functionality to support the GUI reports implemented in E1/E2 and E3.
ResourceSelection.dll	This is required functionality for users to select resources, clinics, and clinic groups.
Ribbon.dll	This library contains the tabs and controls that display in the application and allow the user to view high-level dashboard functionality, as well as the tabs required to switch between scheduling functions, user and system management, and reports.
Task.dll	This library contains functionality for users to manage schedules and appointments associated with clinic, provider, and clinic group schedules (i.e., creating,

Clinical Scheduler Files	Description
	modifying, and cancelling appointments).
<p>Microsoft Practices Libraries:</p> <p>Microsoft.Practices.Composite.dll</p> <p>Microsoft.Practices.Composite.Presentation.dll</p> <p>Microsoft.Practices.Composite.UnityExtensions.dll</p> <p>Microsoft.Practices.EnterpriseLibrary.Common.dll</p> <p>Microsoft.Practices.EnterpriseLibrary.ExceptionHandling.dll</p> <p>Microsoft.Practices.EnterpriseLibrary.Logging.dll</p> <p>Microsoft.Practices.ObjectBuilder2.dll</p> <p>Microsoft.Practices.ServiceLocation.dll</p> <p>Microsoft.Practices.Unity.dll</p>	<p>The Microsoft Enterprise Library is a collection of reusable software components (application blocks) designed to assist software developers with common enterprise development, cross-cutting concerns (such as logging, validation, data access, exception handling, and many others). Application blocks are a type of guidance; they are provided as source code, test cases, and documentation that can be used "as is," extended, or modified by developers to use on complex, enterprise-level line-of-business development projects.</p>
<b>Third-Party Controls</b>	
<p>Telerik Windows Controls (v 2010.1.603.35)</p> <p>Telerik.Windows.Controls.Charting.dll</p> <p>Telerik.Windows.Controls.dll</p> <p>Telerik.Windows.Controls.Docking.dll</p> <p>Telerik.Windows.Controls.GridView.dll</p> <p>Telerik.Windows.Controls.Input.dll</p> <p>Telerik.Windows.Controls.Navigation.dll</p> <p>Telerik.Windows.Controls.RibbonBar.dll</p> <p>Telerik.Windows.Controls.Scheduler.dll</p>	<p>Telerik Windows controls are used by the GUI for displaying dialog boxes, user input fields (such as text, radio/check buttons, drop down/combination lists), and other user interface (UI) elements. The Telerik controls can be transferred without issue. Telerik controls are Technical Reference Model (TRM)-approved, according to <a href="https://www.va.gov/TRM/SearchPage.asp">https://www.va.gov/TRM/SearchPage.asp</a>.</p>
<b>Client Configuration Files</b>	
ClinSchd.exe.config	<p>This file contains configuration for internal functionality, as well as configuration information for the client to connect to the VistA server. The <b>Application Settings</b> section of this file allows the user to modify the default VistA server connection the user will need to authenticate against during application start-up.</p> <pre>&lt;appSettings&gt; &lt;add key="host" value="ServerName" /&gt; &lt;add key="port" value="Port" /&gt; &lt;add key="namespace" value="Namespace" /&gt; &lt;/appSettings&gt;</pre> <p>*In addition to connecting to a valid VistA server, port, and namespace, users will be required to supply valid access and verify codes, with the proper keys and permissions in order to authenticate.</p>

Clinical Scheduler Files	Description
ClinSchd.Infrastructure.xml	This file contains configuration information for the client infrastructure project. Data contained in this file does not need to be modified for environments. Contains dynamic application information for the ClinSchd.Infrastructure project.
Telerik Configuration Files	Telerik.Windows.Controls.Charting.xml Telerik.Windows.Controls.Docking.xml Telerik.Windows.Controls.GridView.xml Telerik.Windows.Controls.Input.xml Telerik.Windows.Controls.Navigation.xml Telerik.Windows.Controls.RibbonBar.xml Telerik.Windows.Controls.Scheduler.xml Telerik.Windows.Data.xml
Microsoft.Practices Configuration Files	Microsoft.Practices.Composite.Presentation.xml Microsoft.Practices.Composite.UnityExtensions.xml Microsoft.Practices.Composite.xml Microsoft.Practices.ObjectBuilder2.xml Microsoft.Practices.ServiceLocation.xml Microsoft.Practices.Unity.xml

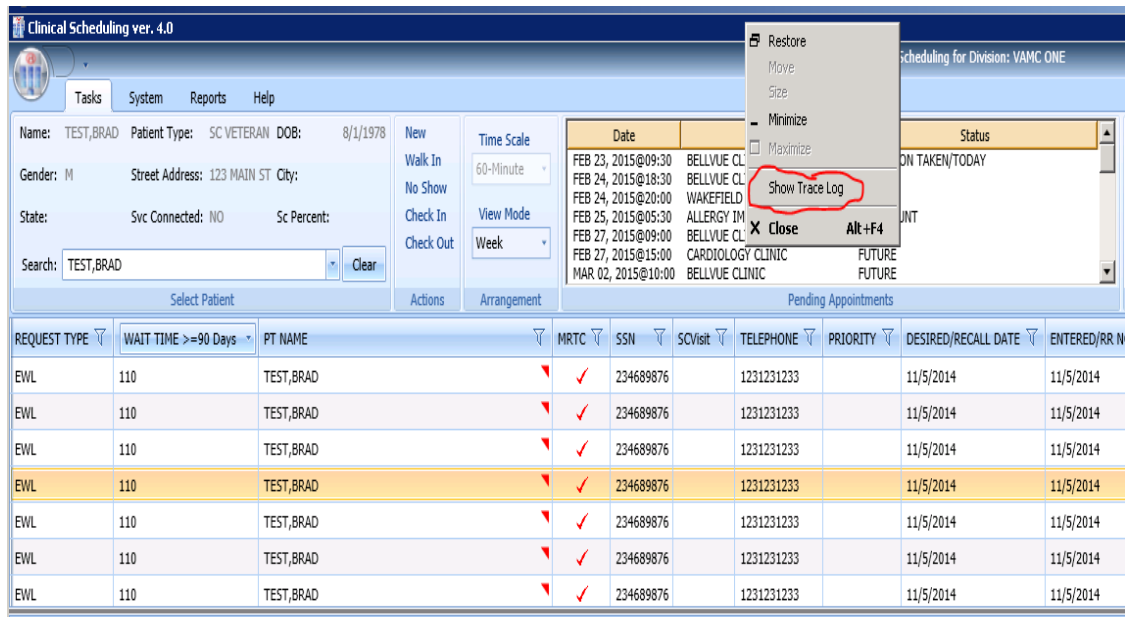
### 2.5.2.1. VistA Scheduling GUI Trace Log

The VistA Scheduling GUI Trace Log is a custom GUI designed to inspect and debug server side VistA RPCs. The UI for this application displays the input and results for RPC calls. To launch the GUI with access to the trace log, the executable must be launched with the following command “/trace”.



**Figure 1: Trace Log Capability Shortcut**

To launch the trace log, the user must right click in the title bar of the window and select the *Show Trace Log* option.



**Figure 2: Show Trace Log Menu Option**

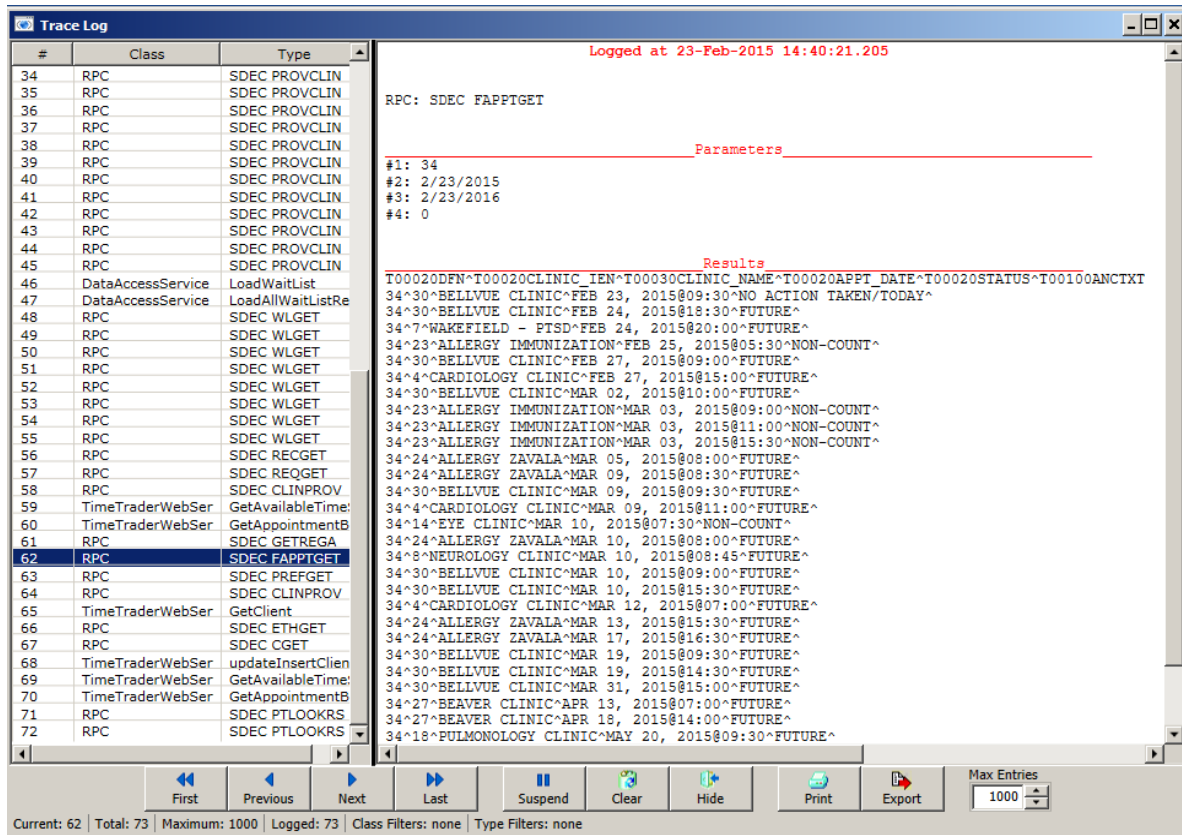


Figure 3: VistA Scheduling GUI Trace Log

Additional logging and debug information can be found in the application folder (same folder as the ClinSchd.exe file) in a file named *trace.log*. This file can be opened in any text editor/viewer for inspection.

### 2.5.2.2. Request Management

The VSE scheduler creates and manages several different types of appointment requests: appointment (APPT), electronic wait list (EWL) entries, recalls, and consults. These requests are retrieved and stored in different VistA files. Users must submit queries to the VistA server to retrieve individual requests. Users can search by patient name, request type, clinic or service/specialty clinic, priority group, wait time, service, connection, desired date, and origination date. Once the query is submitted to the server, the records are filtered based on the query type. Users can also specify a particular sort for the records based on: patient name, request type, clinic, wait time, priority group, origination date, desired date of appointment, and service connection. The default sort is grouped by priority group, then by desired date, and then by origination date.

Request Query

Patient: Foster1 Find  
FOSTER,MARK

Request Query Confirmation

The current query produced 27 records.  
Do you wish to continue?

OK Cancel

Query

Patients	Request Type	Clinics / Services	Priority Group	Wait Time	Origination Date	Desired Date
TEST, BRAD TEST, CANCEL FOSTER, MARK	APPOINTMENT EWL	45-MIN CLINIC ALLERGY IMMUNIZATION ALLERGY ZAVALA BEAVER CLINIC BELLVUE CLINIC C&P CLINIC CARDIOLOGY CLINIC CHI TEST 124 CIRCUS CIRCUS CLINIC CZ GENERAL MED CZ Orange Medical CZ URGENT CARE DENTAL DERMATOLOGY DIABETES CLINIC ENH1 TEST CLINIC ENH1 TEST CLINIC FIVE(45min) ENH1 TEST CLINIC FOUR ENH1 TEST CLINIC ONE EYE CLINIC	null Group 1 Group 2 Group 3 Group 4 Group 5 Group 6 Group 7 Group 8	WAIT TIME <30 Days  SCVist? BOTH  Service Connected? BOTH		Urgency (applicable to Consult requests only)

Default Sort order is by Priority Group, Desired Date, and Origination Date.
Change Sort: Default

Clear Submit Close

**Figure 4: Request Query**

All records meeting the query criteria are filtered and sorted on the server and returned to the GUI. Only 25 records are returned at a time. The Request Management Grid contains paging functionality for the user to retrieve additional records beyond the initial 25.

REQUEST TYPE	WAIT TIME <30 Days	PT NAME	MRIC SSN	SCVist	TELEPHONE	PRIORITY	DESIRED/RECALL DATE	ENTERED/RR NO DATE	REQUESTOR	REQUESTED BY	CLINIC/SERVICE	COMMENT
APPT	2	TEST, BRAD	234689876	✓	1231231233	GROUP 1	5/26/2015	5/26/2015		DOCTOR, TWO	ALLERGY ZAVALA	
APPT	15	TEST, BRAD	234689876	✓	1231231233	GROUP 1	6/1/2015	5/13/2015	PATIENT	PATIENT	HQAG MEDICAL CENTER	THIS IS A TEXT COMMENT
APPT	15	TEST, BRAD	234689876	✓	1231231233	GROUP 1	6/2/2015	5/13/2015	PATIENT	PATIENT	ENH1 TEST CLINIC ONE	PATIENT CANNOT SEE
APPT	15	TEST, BRAD	234689876	✓	1231231233	GROUP 1	6/2/2015	5/13/2015	PATIENT	PATIENT	EYE CLINIC	THIS IS A COMMENT
APPT	1	TEST, BRAD	234689876	✓	1231231233	GROUP 1	6/16/2015	5/27/2015	PROVIDER	DOCTOR, ONE	CARDIOLOGY CLINIC	
APPT	1	TEST, BRAD	234689876	✓	1231231233	GROUP 1	6/17/2015	5/27/2015	PROVIDER	DOCTOR, ONE	CARDIOLOGY CLINIC	(Appts: 5; Interval: 7)
APPT	16	TEST, BRAD	234689876	✓	1231231233	GROUP 1	6/24/2015	5/27/2015	PROVIDER	DOCTOR, ONE	CARDIOLOGY CLINIC	
APPT	16	TEST, BRAD	234689876	✓	1231231233	GROUP 1	7/14/2015	5/12/2015	PATIENT	PATIENT	MESA CLINIC	(Appts: 2; Interval: 10)
APPT	25	TEST, BRAD	234689876	✓	1231231233	GROUP 1	7/21/2015	5/2/2015	PATIENT	PATIENT	BELLVUE CLINIC	(Appts: 2; Interval: 10)
APPT	17	TEST, BRAD	234689876	✓	1231231233	GROUP 1	7/21/2015	5/11/2015	PATIENT	PATIENT	BEAVER CLINIC	
APPT	21	TEST, BRAD	234689876	✓	1231231233	GROUP 1	8/12/2015	5/7/2015	PATIENT	PATIENT	BEAVER CLINIC	
APPT	27	TEST, BRAD	234689876	✓	1231231233	GROUP 1	9/8/2015	5/1/2015	PATIENT	PATIENT	BELLVUE CLINIC	(Appts: 2; Interval: 10)
EWL	17	FOSTER, MARK	543229755		951-654-2690	GROUP 3	7/7/2015	5/11/2015	PATIENT	PATIENT	ENH1 TEST CLINIC	
APPT	2	FOSTER, MARK	543229755		951-654-2690	GROUP 3	5/26/2015	5/26/2015		DREW, NANCY	ALLERGY ZAVALA	

Page 1 of 1

**Figure 5: Query Results**



## 2.6. VistA Scheduling GUI Cross References

TRADITIONAL CROSS-REFERENCE LIST -- FILE #44

10/28/15

PAGE 1

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Subfile #44.1

### Traditional Cross-References:

**ADPR**     **MUMPS**     **WHOLE FILE (#44)**  
Field:     **DEFAULT PROVIDER (44.1,.02)**  
1)= S:X ^SC("ADPR",DA(1),DA)=""  
2)= K ^SC("ADPR",DA(1),DA)

**AVADPR**     **MUMPS**     **WHOLE FILE (#44)**  
Field:     **PROVIDER (44.1,.01)**  
Description: FINDS A PROVIDER'S CLINICS Cross-reference to easily find  
all clinics for a particular provider and if that provider  
is listed as default.  
1)= S ^SC("AVADPR",X,DA(1),DA)=\$P(^SC(DA(1),"PR",DA,0),U,2)  
2)= K ^SC("AVADPR",X,DA(1),DA)

**B**     **REGULAR**  
Field:     **PROVIDER (44.1,.01)**  
1)= S ^SC(DA(1),"PR","B",\$E(X,1,30),DA)=""  
2)= K ^SC(DA(1),"PR","B",\$E(X,1,30),DA)

Figure 6: VistA Scheduling GUI Cross Reference

```

AG (#1165)   RECORD   REGULAR   IR   SORTING ONLY
Short Descr: Index by TYPE and NAME.
Description: This cross reference is used to sort by TYPE and NAME.
Set Logic:   S ^SC("AG",X(1),X(2),DA)=""
Kill Logic:  K ^SC("AG",X(1),X(2),DA)
Whole Kill:  K ^SC("AG")
X(1):        TYPE   (44,2)   (Subscr 1)   (forwards)
X(2):        NAME   (44,.01) (Subscr 2)   (forwards)

```

Figure 7: VistA Scheduling GUI Cross Reference (cont.)

```

AC (#1162)   RECORD   REGULAR   IR   SORTING ONLY
Short Descr: Index by DATE/TIME RECALL ADDED and USER WHO ENTERED RECALL
Description: This cross reference is used to sort by DATE/TIME RECALL
              ADDED and USER WHO ENTERED RECALL.
Set Logic:   S ^SD(403.5,"AC",X(1),X(2),DA)=""
Kill Logic:  K ^SD(403.5,"AC",X(1),X(2),DA)
Whole Kill:  K ^SD(403.5,"AC")
X(1):        DATE/TIME RECALL ADDED (403.5,7.5) (Subscr 1) (forwards)
X(2):        USER WHO ENTERED RECALL (403.5,7) (Subscr 2) (forwards)

```

Figure 8: VistA Scheduling GUI Cross Reference (cont.)

```

AC (#1163)   RECORD   REGULAR   IR   SORTING ONLY
Short Descr: Index by DATE/TIME RECALL ADDED and USER WHO ENTERED RECALL
Description: This cross reference is used to sort by DATE/TIME RECALL
              ADDED and USER WHO ENTERED RECALL.
Set Logic:   S ^SD(403.56,"AC",X(1),X(2),DA)=""
Kill Logic:  K ^SD(403.56,"AC",X(1),X(2),DA)
Whole Kill:  K ^SD(403.56,"AC")
X(1):        DATE/TIME RECALL ADDED (403.56,7.5) (Subscr 1)
              (forwards)
X(2):        USER WHO ENTERED RECALL (403.56,7) (Subscr 2) (forwards)

```

Figure 9: VistA Scheduling GUI Cross Reference (cont.)

**AE      REGULAR**  
         Field:   WL SPECIFIC HOSPITAL LOCATION (409.3,8.5)  
         Description: This xref is used to find entries associated with a particular HOSPITAL LOCATION.  
                     1)= S ^SDWL(409.3,"AE",\$E(X,1,30),DA)=""  
                     2)= K ^SDWL(409.3,"AE",\$E(X,1,30),DA)

Figure 10: VistA Scheduling GUI Cross Reference (cont.)

**E      MUMPS**  
         Field:   CURRENT STATUS (409.3,23)  
         Description: This xref is used to speed up the lookup of open or closed wait list entries for a given time range.  
                     1)= S:\$P(^SDWL(409.3,DA,0),U,2)'="" ^SDWL(409.3,"E",X,\$P(^SDWL(409.3,DA,0),U,2),DA)=""  
                     2)= K:\$P(^SDWL(409.3,DA,0),U,2)'="" ^SDWL(409.3,"E",X,\$P(^SDWL(409.3,DA,0),U,2),DA)

Figure 11: VistA Scheduling GUI Cross Reference (cont.)

**ET00      MUMPS**  
         Field:   ORIGINATING DATE (409.3,1)  
         Description: This xref actually updates the "E" xref for CURRENT STATUS in the event that the ORIGINATING DATE is changed. This xref is used to speed up the lookup of open or closed wait list entries for a given time range.  
                     1)= S:\$P(^SDWL(409.3,DA,0),U,17)'="" ^SDWL(409.3,"E",\$P(^SDWL(409.3,DA,0),U,17),X,DA)=""  
                     2)= K:\$P(^SDWL(409.3,DA,0),U,17)'="" ^SDWL(409.3,"E",\$P(^SDWL(409.3,DA,0),U,17),X,DA)

Figure 12: VistA Scheduling GUI Cross Reference (cont.)

```

AC (#1161)   RECORD   REGULAR   IR   SORTING ONLY
Short Descr: Index by ORIGINATING DATE and ORIGINATING USER
Description: This cross reference is used to sort by ORIGINATING DATE
              and ORIGINATING USER.
Set Logic:   S ^SDWL(409.3,"AC",X(1),X(2),DA)=""
Kill Logic:  K ^SDWL(409.3,"AC",X(1),X(2),DA)
Whole Kill:  K ^SDWL(409.3,"AC")
X(1):        ORIGINATING DATE (409.3,1) (Subscr 1) (forwards)
X(2):        ORIGINATING USER (409.3,9) (Subscr 2) (forwards)

```

Figure 13: VistA Scheduling GUI Cross Reference (cont.)

```

AD (#1168)   RECORD   REGULAR   IR   SORTING ONLY
Short Descr: Index by PATIENT and WL SPECIFIC HOSPITAL LOCATION
Description: This cross references is used to sort by PATIENT and WL
              SPECIFIC HOSPITAL LOCATION.
Set Logic:   S ^SDWL(409.3,"AD",X(1),X(2),DA)=""
Kill Logic:  K ^SDWL(409.3,"AD",X(1),X(2),DA)
Whole Kill:  K ^SDWL(409.3,"AD")
X(1):        PATIENT (409.3,.01) (Subscr 1) (forwards)
X(2):        WL SPECIFIC HOSPITAL LOCATION (409.3,8.5) (Subscr 2)
              (forwards)

```

Figure 14: VistA Scheduling GUI Cross Reference (cont.)

## Subfile #409.345

## Traditional Cross-References:

```

B   REGULAR
    Field: DATE EDITED (409.345,.01)
          1)= S ^SDWL(409.3,DA(1),6,"B",$E(X,1,30),DA)=""
          2)= K ^SDWL(409.3,DA(1),6,"B",$E(X,1,30),DA)

```

Figure 15: VistA Scheduling GUI Cross Reference (cont.)

```

GS (#1387)    RECORD    REGULAR    IR    LOOKUP & SORTING
Short Descr:  SORT BY CLINIC STOP (SERVICES) ID AND ORIGINATING DATE
Description:  This xref is used to sort/filter Wait List entries by the
              CLINIC STOP id and the ORIGINATING DATE field (#1). The
              CLINIC STOP id comes from the SD WL SERVICE/SPECIALTY file
              (#409.31). The WL SERVICE/SPECIALTY field (#7) in the SD
              WAIT LIST file (#409.3) contains the pointer to the SD WL
              SERVICE/SPECIALTY file.
Set Logic:    S ^SDWL(409.3,"GS",X(1),X(2),DA)=""
Kill Logic:   K ^SDWL(409.3,"GS",X(1),X(2),DA)
Whole Kill:   K ^SDWL(409.3,"GS")
              X(1):  Computed Code: S X=$P($G(^SDWL(409.31,+P($G(^SDWL(409.3,DA
                      ,0)),U,8),0)),U,1)
                      (Subscr 1) (forwards)
              X(2):  ORIGINATING DATE (409.3,1) (Subscr 2) (forwards)

```

Figure 16: VistA Scheduling GUI Cross Reference (cont.)

```

GSP (#1389)   RECORD    REGULAR    IR    LOOKUP & SORTING
Short Descr:  SORT BY CLINIC STOP (SERVICES) ID, ENROLLMENT PRIORITY, AND
              ORIGINATING DATE
Description:  This xref is used to sort Wait List entries by the CLINIC
              STOP id, Patient's ENROLLMENT PRIORITY, and the ORIGINATING
              DATE field (#1). The CLINIC STOP id comes from the SD WL
              SERVICE/SPECIALTY file (#409.31). The WL SERVICE/SPECIALTY
              field (#7) in the SD WAIT LIST file (#409.3) contains the
              pointer to the SD WL SERVICE/SPECIALTY file.
Set Logic:    S ^SDWL(409.3,"GSP",X(1),X(2),X(3),DA)=""
Kill Logic:   K ^SDWL(409.3,"GSP",X(1),X(2),X(3),DA)
Whole Kill:   K ^SDWL(409.3,"GSP")
              X(1):  Computed Code: S X=$P($G(^SDWL(409.31,+P($G(^SDWL(409.3,DA
                      ,0)),U,8),0)),U,1)
                      (Subscr 1) (forwards)
              X(2):  Computed Code: N DFN,PCE S DFN=$P($G(^SDWL(409.3,DA,0)),U,1
                      ),PCE=$P($G(^DPT(+DFN,"ENR")),U,1),X=+P($G(^DGEN(27.11,+PC
                      E,0)),U,7)
                      (Subscr 2) (forwards)
              X(3):  ORIGINATING DATE (409.3,1) (Subscr 3) (forwards)

```

Figure 17: VistA Scheduling GUI Cross Reference (cont.)

GSA (#1390)      RECORD      REGULAR      IR      LOOKUP & SORTING

Short Descr:    SORT BY CLINIC STOP (SERVICES) ID, SVC CONNECTED, AND  
ORIGINATING DATE

Description:    This xref is used to sort Wait List entries by the CLINIC  
STOP id, SERVICE CONNECTED, and the ORIGINATING DATE field  
(#1). The WL SERVICE/SPECIALTY field (#7) in the SD WAIT  
LIST file (#409.3) contains the pointer to the SD WL  
SERVICE/SPECIALTY file. The CLINIC STOP id is in the  
SERVICE/SPECIALTY field (#.01) of the SD WL  
SERVICE/SPECIALTY file (#409.31) SERVICE CONNECTED is the  
SERVICE CONNECTED? field (#.301) (a required field) in the  
PATIENT file (#2).

Set Logic:      S ^SDWL(409.3,"GSA",X(1),X(2),X(3),DA)=""

Kill Logic:      K ^SDWL(409.3,"GSA",X(1),X(2),X(3),DA)

Whole Kill:     K ^SDWL(409.3,"GSA")

      X(1):    Computed Code: S X=\$P(\$G(^SDWL(409.31,+P(\$G(^SDWL(409.3,DA  
                  ,0)),U,8),0)),U,1)  
                  (Subscr 1)    (forwards)

      X(2):    Computed Code: S X=\$P(\$G(^DPT(+P(\$G(^SDWL(409.3,DA,0)),U,1  
                  ),.3)),U,1)  
                  (Subscr 2)    (forwards)

      X(3):    ORIGINATING DATE    (409.3,1)    (Subscr 3)    (forwards)

Figure 18: VistA Scheduling GUI Cross Reference (cont.)

GSB (#1391)      RECORD      REGULAR      IR      LOOKUP & SORTING

Short Descr:    SORT BY CLINIC STOP (SVCS) ID, SVC CONNECTED PRIORITY, AND  
ORIGINATING DATE

Description:    This xref is used to sort Wait List entries by the CLINIC  
STOP id, SERVICE CONNECTED PRIORITY field (#15), and the  
ORIGINATING DATE field (#1). The WL SERVICE/SPECIALTY  
field (#7) in the SD WAIT LIST file (#409.3) contains the  
pointer to the SD WL SERVICE/SPECIALTY file. The CLINIC  
STOP id is in the SERVICE/SPECIALTY field (#.01) of the SD  
WL SERVICE/SPECIALTY file (#409.31).

Set Logic:      S ^SDWL(409.3,"GSB",X(1),X(2),X(3),DA)=""

Kill Logic:      K ^SDWL(409.3,"GSB",X(1),X(2),X(3),DA)

Whole Kill:     K ^SDWL(409.3,"GSB")

      X(1):    Computed Code: S X=\$P(\$G(^SDWL(409.31,+P(\$G(^SDWL(409.3,DA  
                  ,0)),U,8),0)),U,1)  
                  (Subscr 1)    (forwards)

      X(2):    Computed Code: S X=+P(\$G(^SDWL(409.3,DA,"SC")),U,2)  
                  (Subscr 2)    (forwards)

      X(3):    ORIGINATING DATE    (409.3,1)    (Subscr 3)    (forwards)

Figure 19: VistA Scheduling GUI Cross Reference (cont.)

```

GC (#1392)    FIELD    REGULAR    IR    LOOKUP & SORTING
Short Descr:  SORT BY CLINIC AND ORIGINATING DATE
Description:  This xref is used to sort Wait List entries by the Clinic
              ID and the ORIGINATING DATE field (#1). The Clinic ID
              comes from the CLINIC field (#.01) of the SD WL CLINIC
              LOCATION file (#409.32). The SD WL CLINIC LOCATION pointer
              is in the WL SPECIFIC CLINIC field (#8) of the SD WAIT LIST
              file (#409.3).

Set Logic:    S ^SDWL(409.3,"GC",X(1),X(2),DA)=""
Kill Logic:   K ^SDWL(409.3,"GC",X(1),X(2),DA)
Whole Kill:   K ^SDWL(409.3,"GC")
X(1):         Computed Code: S X=$P($G(^SDWL(409.32,+P($G(^SDWL(409.3,DA
              ,0)),U,9),0)),U,1)
              (Subscr 1) (forwards)
X(2):         ORIGINATING DATE (409.3,1) (Subscr 2) (forwards)

```

Figure 20: VistA Scheduling GUI Cross Reference (cont.)

```

GSC (#1388)   RECORD    REGULAR    IR    LOOKUP & SORTING
Short Descr:  SORT BY CLINIC STOP (SERVICES) ID AND CID/PREFERRED DATE
Description:  This xref is used to sort Wait List entries by the CLINIC
              STOP id and the CID/PREFERRED DATE field (#22). The CLINIC
              STOP id comes from the SD WL SERVICE/SPECIALTY file
              (#409.31). The WL SERVICE/SPECIALTY field (#7) in the SD
              WAIT LIST file (#409.3) contains the pointer to the SD WL
              SERVICE/SPECIALTY file.

Set Logic:    S ^SDWL(409.3,"GSC",X(1),X(2),DA)=""
Kill Logic:   K ^SDWL(409.3,"GSC",X(1),X(2),DA)
Whole Kill:   K ^SDWL(409.3,"GSC")
X(1):         Computed Code: S X=$P($G(^SDWL(409.31,+P($G(^SDWL(409.3,DA
              ,0)),U,8),0)),U,1)
              (Subscr 1) (forwards)
X(2):         DESIRED DATE OF APPOINTMENT (409.3,22) (Subscr 2)
              (forwards)

```

Figure 21: VistA Scheduling GUI Cross Reference (cont.)

```

GCC (#1393)   FIELD    REGULAR    IR    LOOKUP & SORTING
Short Descr:  SORT BY CLINIC ID AND CID/PREFERRED DATE
Description:  This xref is used to sort Wait List entries by the Clinic
              ID and the CID/PREFERRED DATE field (#22). The Clinic ID
              comes from the CLINIC field (#.01) of the SD WL CLINIC
              LOCATION file (#409.32). The SD WL CLINIC LOCATION pointer
              is in the WL SPECIFIC CLINIC field (#8) of the SD WAIT LIST
              file (#409.3).

Set Logic:    S ^SDWL(409.3,"GCC",X(1),X(2),DA)=""
Kill Logic:   K ^SDWL(409.3,"GCC",X(1),X(2),DA)
Whole Kill:   K ^SDWL(409.3,"GCC")
X(1):         Computed Code: S X=$P($G(^SDWL(409.32,+P($G(^SDWL(409.3,DA
              ,0)),U,9),0)),U,1)
              (Subscr 1) (forwards)
X(2):         DESIRED DATE OF APPOINTMENT (409.3,22) (Subscr 2)
              (forwards)

```

Figure 22: VistA Scheduling GUI Cross Reference (cont.)

## File #409.81

## Traditional Cross-References:

## B REGULAR

Field: MAJOR VERSION (409.81,.01)

1)= S ^SDEC(409.81,"B",\$(X,1,30),DA)=""

2)= K ^SDEC(409.81,"B",\$(X,1,30),DA)

Figure 23: VistA Scheduling GUI Cross Reference (cont.)

## File #409.822

## Traditional Cross-References:

## B REGULAR

Field: ACCESS GROUP (409.822,.01)

1)= S ^SDEC(409.822,"B",\$(X,1,30),DA)=""

2)= K ^SDEC(409.822,"B",\$(X,1,30),DA)

Figure 24: VistA Scheduling GUI Cross Reference (cont.)

## File #409.823

## Traditional Cross-References:

## B REGULAR

Field: ACCESS TYPE NAME (409.823,.01)

1)= S ^SDEC(409.823,"B",\$(X,1,30),DA)=""

2)= K ^SDEC(409.823,"B",\$(X,1,30),DA)

Figure 25: VistA Scheduling GUI Cross Reference (cont.)



## File #409.824

## Traditional Cross-References:

## B REGULAR

Field: ACCESS GROUP (409.824,.01)

1)= S ^SDEC(409.824,"B",\$(X,1,30),DA)=""

2)= K ^SDEC(409.824,"B",\$(X,1,30),DA)

Figure 26: VistA Scheduling GUI Cross Reference (cont.)

## File #409.831

## Traditional Cross-References:

## ALOC REGULAR

Field: HOSPITAL LOCATION (409.831,.04)

Description: This "ALOC" xref is used to look up an SDEC RESOURCE record using a HOSPITAL LOCATION id.

1)= S ^SDEC(409.831,"ALOC",\$(X,1,30),DA)=""

2)= K ^SDEC(409.831,"ALOC",\$(X,1,30),DA)

## B REGULAR

Field: RESOURCE (409.831,.01)

1)= S ^SDEC(409.831,"B",\$(X,1,30),DA)=""

2)= K ^SDEC(409.831,"B",\$(X,1,30),DA)

## New-Style Indexes:

## AC (#1176) RECORD REGULAR IR SORTING ONLY

Short Descr: Index of RESOURCE TYPE

Description: This cross-reference is built from both pieces of the RESOURCE TYPE variable pointer field to speed up the sorting of resources when given a specific source and ID. The sources could be HOSPITAL LOCATION, NEW PERSON, or SDEC ADDITIONAL RESOURCE.

Set Logic: S ^SDEC(409.831,"AC",X(1),X(2),DA)=""

Kill Logic: K ^SDEC(409.831,"AC",X(1),X(2),DA)

Whole Kill: K ^SDEC(409.831,"AC")

X(1): RESOURCE TYPE (409.831,.012) (Subscr 1) (forwards)

Transform (Storage): S X=SE(\$\$OT1^SDEC03(X),1)

X(2): RESOURCE TYPE (409.831,.012) (Subscr 2) (forwards)

Transform (Storage): S X=\$P(X,";",1)

Figure 27: VistA Scheduling GUI Cross Reference (cont.)

Subfile #409.8312001

Traditional Cross-References:

ASSOC    REGULAR    WHOLE FILE (#409.831)  
Field:    ASSOCIATED VISTA CLINICS (409.8312001,.01)  
Description: This "ASSOC" xref is used to find a SDEC RESOURCE record using a HOSPITAL LOCATION id that was used in the ASSOCIATED VISTA CLINICS multiple.  
1)= S ^SDEC(409.831,"ASSOC",\$E(X,1,30),DA(1),DA)=""  
2)= K ^SDEC(409.831,"ASSOC",\$E(X,1,30),DA(1),DA)

B        REGULAR  
Field:    ASSOCIATED VISTA CLINICS (409.8312001,.01)  
1)= S ^SDEC(409.831,DA(1),20,"B",\$E(X,1,30),DA)=""  
2)= K ^SDEC(409.831,DA(1),20,"B",\$E(X,1,30),DA)

Figure 28: VistA Scheduling GUI Cross Reference (cont.)

INDEX AND CROSS-REFERENCE LIST -- FILE #409.832                      10/28/15      PAGE 1

File #409.832

Traditional Cross-References:

B        REGULAR  
Field:    NAME (409.832,.01)  
1)= S ^SDEC(409.832,"B",\$E(X,1,30),DA)=""  
2)= K ^SDEC(409.832,"B",\$E(X,1,30),DA)

Subfile #409.8321

Traditional Cross-References:

AB       REGULAR    WHOLE FILE (#409.832)  
Field:    RESOURCE (409.8321,.01)  
Description: This "AB" xref is used to find a SDEC RESOURCE GROUP record using a SDEC RESOURCE id.  
1)= S ^SDEC(409.832,"AB",\$E(X,1,30),DA(1),DA)=""  
2)= K ^SDEC(409.832,"AB",\$E(X,1,30),DA(1),DA)

B        REGULAR  
Field:    RESOURCE (409.8321,.01)  
1)= S ^SDEC(409.832,DA(1),1,"B",\$E(X,1,30),DA)=""  
2)= K ^SDEC(409.832,DA(1),1,"B",\$E(X,1,30),DA)

Figure 29: VistA Scheduling GUI Cross Reference (cont.)

## File #409.833

## Traditional Cross-References:

## AC REGULAR

Field: USERNAME (409.833,.02)

Description: This AC xref is used to look up the SDEC RESOURCE USER record using the given User (NEW PERSON).

1)= S ^SDEC(409.833,"AC",\$E(X,1,30),DA)=""

2)= K ^SDEC(409.833,"AC",\$E(X,1,30),DA)

## B REGULAR

Field: RESOURCENAME (409.833,.01)

1)= S ^SDEC(409.833,"B",\$E(X,1,30),DA)=""

2)= K ^SDEC(409.833,"B",\$E(X,1,30),DA)

Figure 30: VistA Scheduling GUI Cross Reference (cont.)

## File #409.834

## Traditional Cross-References:

## B REGULAR

Field: NAME (409.834,.01)

1)= S ^SDEC(409.834,"B",\$E(X,1,30),DA)=""

2)= K ^SDEC(409.834,"B",\$E(X,1,30),DA)

Figure 31: VistA Scheduling GUI Cross Reference (cont.)

## File #409.84

## Traditional Cross-References:

## AEX REGULAR

Field: EXTERNAL ID (409.84,.21)

Description: Used to lookup the SDEC APPOINTMENT ien using the external ID.

1)= S ^SDEC(409.84,"AEX",\$E(X,1,30),DA)=""

2)= K ^SDEC(409.84,"AEX",\$E(X,1,30),DA)

## ARSRC MUMPS

Field: RESOURCE (409.84,.07)

Description: This index is used to find all appointments for a given resource during a given time period.

1)= D XR2S^SDEC03(DA)

2)= D XR2K^SDEC03(DA)

## B REGULAR

Field: STARTTIME (409.84,.01)

1)= S ^SDEC(409.84,"B",\$E(X,1,30),DA)=""

2)= K ^SDEC(409.84,"B",\$E(X,1,30),DA)

## CPAT REGULAR

Field: PATIENT (409.84,.05)

Description: This xref is used to look up appointments by Patient.

1)= S ^SDEC(409.84,"CPAT",\$E(X,1,30),DA)=""

2)= K ^SDEC(409.84,"CPAT",\$E(X,1,30),DA)

Figure 32: VistA Scheduling GUI Cross Reference (cont.)

## File #409.845

## Traditional Cross-References:

## B REGULAR

Field: PATIENT (409.845,.01)

1)= S ^SDEC(409.845,"B",\$E(X,1,30),DA)=""

2)= K ^SDEC(409.845,"B",\$E(X,1,30),DA)

## Subfile #409.8451

## Traditional Cross-References:

## B REGULAR

Field: PREFERENCE (409.8451,.01)

1)= S ^SDEC(409.845,DA(1),1,"B",\$E(X,1,30),DA)=""

2)= K ^SDEC(409.845,DA(1),1,"B",\$E(X,1,30),DA)

Figure 33: VistA Scheduling GUI Cross Reference (cont.)

## File #409.85

## Traditional Cross-References:

## B REGULAR

Field: PATIENT (409.85,.01)  
 1)= S ^SDEC(409.85,"B",\$E(X,1,30),DA)=""  
 2)= K ^SDEC(409.85,"B",\$E(X,1,30),DA)

## C REGULAR

Field: INSTITUTION (409.85,2)  
 Description: This xref is used to speed up the lookup of Appointment Requests by INSTITUTION.  
 1)= S ^SDEC(409.85,"C",\$E(X,1,30),DA)=""  
 2)= K ^SDEC(409.85,"C",\$E(X,1,30),DA)

## SC MUMPS

Field: REQ SPECIFIC CLINIC (409.85,8)  
 Description: Sort and Lookup Appointment Request by Clinic name.  
 1)= I \$D(X) S ^SDEC(409.85,"SC",\$P(^SC(X,0),U,1),DA)=""  
 2)= K ^SDEC(409.85,"SC",\$P(^SC(X,0),U,1),DA)

## SCC MUMPS

Field: REQ SPECIFIC CLINIC (409.85,8)  
 Description: Sort/Lookup Appointment Request by Specific Clinic.  
 1)= I \$D(X) S ^SDEC(409.85,"SCC",\$P(^SDEC(409.85,DA,0),U,1),X,DA)=""  
 2)= K ^SDEC(409.85,"SCC",\$P(^SDEC(409.85,DA,0),U,1),X,DA)

Figure 34: VistA Scheduling GUI Cross Reference (cont.)

## New-Style Indexes:

## AC (#1172) RECORD REGULAR IR SORTING ONLY

Short Descr: Index by CREATE DATE and ORIGINATING USER

Description: This cross reference is used to sort by CREATE DATE and ORIGINATING USER.

Set Logic: S ^SDEC(409.85,"AC",X(1),X(2),DA)=""

Kill Logic: K ^SDEC(409.85,"AC",X(1),X(2),DA)

Whole Kill: K ^SDEC(409.85,"AC")

X(1): DATE/TIME ENTERED (409.85,9.5) (Subscr 1) (forwards)

X(2): ORIGINATING USER (409.85,9) (Subscr 2) (forwards)

## E (#1171) RECORD REGULAR IR SORTING ONLY

Short Descr: Index by CURRENT STATUS and CREATE DATE.

Description: This cross reference is used to sort by CURRENT STATUS and CREATE DATE.

Set Logic: S ^SDEC(409.85,"E",X(1),X(2),DA)=""

Kill Logic: K ^SDEC(409.85,"E",X(1),X(2),DA)

Whole Kill: K ^SDEC(409.85,"E")

X(1): CURRENT STATUS (409.85,23) (Subscr 1) (forwards)

X(2): CREATE DATE (409.85,1) (Subscr 2) (forwards)

Figure 35: VistA Scheduling GUI Cross Reference (cont.)

**Subfile #409.851**

**Traditional Cross-References:**

**B     REGULAR**

Field: MRTC CALC PREF DATES (409.851,.01)  
1)= S ^SDEC(409.85,DA(1),5,"B",\$(X,1,30),DA)=""  
2)= K ^SDEC(409.85,DA(1),5,"B",\$(X,1,30),DA)

**Subfile #409.852**

**Traditional Cross-References:**

**B     REGULAR**

Field: MULT APPTS MADE (409.852,.01)  
1)= S ^SDEC(409.85,DA(1),2,"B",\$(X,1,30),DA)=""  
2)= K ^SDEC(409.85,DA(1),2,"B",\$(X,1,30),DA)

**Subfile #409.8544**

**Traditional Cross-References:**

**B     REGULAR**

Field: DATE ENTERED (409.8544,.01)  
1)= S ^SDEC(409.85,DA(1),4,"B",\$(X,1,30),DA)=""  
2)= K ^SDEC(409.85,DA(1),4,"B",\$(X,1,30),DA)

**Figure 36: VistA Scheduling GUI Cross Reference (cont.)**

**GS (#1380)     RECORD     REGULAR     IR     LOOKUP & SORTING**  
**Short Descr:** SORT BY REQ SERVICE/SPECIALTY ID AND ORIGINATING DATE  
**Description:** This xref is used to sort Appointment Request entries by  
the REQ SERVICE/SPECIALTY field (#8.5) and the CREATE DATE  
field (#1).  
**Set Logic:** S ^SDEC(409.85,"GS",X(1),X(2),DA)=""  
**Kill Logic:** K ^SDEC(409.85,"GS",X(1),X(2),DA)  
**Whole Kill:** K ^SDEC(409.85,"GS")  
**X(1):** REQ SERVICE/SPECIALTY (409.85,8.5) (Subscr 1) (forwards)  
**X(2):** CREATE DATE (409.85,1) (Subscr 2) (forwards)

**Figure 37: VistA Scheduling GUI Cross Reference (cont.)**



```

GC (#1385)    RECORD    REGULAR    IR    LOOKUP & SORTING
Short Descr:  SORT BY CLINIC AND ORIGINATING DATE
Description:  This xref is used to sort Appointment Request entries by
              the REQ SPECIFIC CLINIC field (#8) and the CREATE DATE
              field (#1).
Set Logic:    S ^SDEC(409.85,"GC",X(1),X(2),DA)=""
Kill Logic:   K ^SDEC(409.85,"GC",X(1),X(2),DA)
Whole Kill:   K ^SDEC(409.85,"GC")
              X(1):  REQ SPECIFIC CLINIC  (409.85,8)  (Subscr 1)  (forwards)
              X(2):  CREATE DATE  (409.85,1)  (Subscr 2)  (forwards)

```

Figure 41: VistA Scheduling GUI Cross Reference (cont.)

```

GSC (#1381)   RECORD    REGULAR    IR    LOOKUP & SORTING
Short Descr:  SORT BY REQ SERVICE/SPECIALTY ID AND CID/PREFERRED DATE OF
              APPT
Description:  This xref is used to sort Appointment Request entries by
              the REQ SERVICE/SPECIALTY field (#8.5) and the
              CID/PREFERRED DATE OF APPT field (#22).
Set Logic:    S ^SDEC(409.85,"GSC",X(1),X(2),DA)=""
Kill Logic:   K ^SDEC(409.85,"GSC",X(1),X(2),DA)
Whole Kill:   K ^SDEC(409.85,"GSC")
              X(1):  REQ SERVICE/SPECIALTY  (409.85,8.5)  (Subscr 1)  (forwards)
              X(2):  CID/PREFERRED DATE OF APPT  (409.85,22)  (Subscr 2)
                    (forwards)

```

Figure 42: VistA Scheduling GUI Cross Reference (cont.)

```

GCC (#1386)   RECORD    REGULAR    IR    LOOKUP & SORTING
Short Descr:  SORT BY CLINIC AND CID/PREFERRED DATE
Description:  This xref is used to sort Appointment Request entries by
              the REQ SPECIFIC CLINIC field (#8) and the CID PREFERRED
              DATE OF APPT field (#22).
Set Logic:    S ^SDEC(409.85,"GCC",X(1),X(2),DA)=""
Kill Logic:   K ^SDEC(409.85,"GCC",X(1),X(2),DA)
Whole Kill:   K ^SDEC(409.85,"GCC")
              X(1):  REQ SPECIFIC CLINIC  (409.85,8)  (Subscr 1)  (forwards)
              X(2):  CID/PREFERRED DATE OF APPT  (409.85,22)  (Subscr 2)
                    (forwards)

```

Figure 43: VistA Scheduling GUI Cross Reference (cont.)

INDEX AND CROSS-REFERENCE LIST -- FILE #409.3 11/12/15 PAGE 1

Subfile #409.345

Traditional Cross-References:

```

B    REGULAR
      Field:  DATE EDITED  (409.345,.01)
              1)= S ^SDWL(409.3,DA(1),6,"B",$(X,1,30),DA)=""
              2)= K ^SDWL(409.3,DA(1),6,"B",$(X,1,30),DA)

```

Figure 44: VistA Scheduling GUI Cross Reference (cont.)



## 2.7. Table File

The following figures depict the table file.

```

STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE
NOV 3,2016@15:39:52 PAGE 1
STORED IN ASD(403.5, *** NO DATA STORED YET *** SITE: PATVEE.FO-ALBANY.MED.VA
.GOV UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA      NAME      GLOBAL      DATA
ELEMENT   TITLE      LOCATION   TYPE
-----
403.5,2.5  COMMENT           0;7 FREE TEXT (audited)

INPUT TRANSFORM: K:$L(X)>80!($L(X)<1) X
LAST EDITED:    NOV 02, 2016
HELP-PROMPT:    Answer must be 1-80 characters in length.
DESCRIPTION:    Comments needed for this recall entry.

AUDIT:         YES, ALWAYS

```

Figure 45: Table File

```

STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE
NOV 3,2016@17:05:52 PAGE 1
STORED IN ASD(403.5, *** NO DATA STORED YET *** SITE: PATVEE.FO-ALBANY.MED.VA
.GOV UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA      NAME      GLOBAL      DATA
ELEMENT   TITLE      LOCATION   TYPE
-----
403.5,2.6  FAST/NON-FASTING  0;8 SET (audited)

'f' FOR FASTING;
'n' FOR NON-FASTING;
LAST EDITED:    NOV 02, 2016
HELP-PROMPT:    Are the labs Fasting or Non-Fasting? leave
DESCRIPTION:    blank if no labs have been ordered.
                If the patient has had lab tests ordered for
                this recall visit, select either Fasting or
                Non-Fasting labs. If the patient has no labs
                orders leave blank.

AUDIT:         YES, ALWAYS

```

Figure 46: Table File (cont.)

## STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE

NOV 3, 2016 17:06:50 PAGE 1  
 STORED IN ^SD(403.5, \*\*\* NO DATA STORED YET \*\*\* SITE: PATVEE.FO-ALBANY.MED.VA  
 .GOV UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
403.5,3	TEST/APP.	0;4 POINTER TO RECALL REMINDERS APPT TYPE FILE (#403.51) (Required) (audited)	
	LAST EDITED:	NOV 02, 2016	
	HELP-PROMPT:	Select the type of Recall visit	
	DESCRIPTION:	This is the type of Recall visit that is assigned for this entry.	
	AUDIT:	YES, ALWAYS	
FILES POINTED TO		FIELDS	
RECALL REMINDERS APPT TYPE (#403.51)		TEST/APP. (#3)	

Figure 47: Table File (cont.)

## STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE

NOV 3, 2016 17:07:59 PAGE 1  
 STORED IN ^SD(403.5, \*\*\* NO DATA STORED YET \*\*\* SITE: PATVEE.FO-ALBANY.MED.VA  
 .GOV UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
403.5,4	PROVIDER	0;5 POINTER TO RECALL REMINDERS PROVIDERS FILE (#403.54) (Required) (audited)	
	LAST EDITED:	NOV 02, 2016	
	HELP-PROMPT:	Select the provider for this Recall entry.	
	DESCRIPTION:	The provider who is assigned for this Recall entry.	
	AUDIT:	YES, ALWAYS	
	CROSS-REFERENCE:	403.5^C 1)= S ^SD(403.5,"C", \$E(X,1,30),DA)="" 2)= K ^SD(403.5,"C", \$E(X,1,30),DA) Used for printing of the cards/letter and reports by Provider or Recall Team.	
FILES POINTED TO		FIELDS	
RECALL REMINDERS PROVIDERS (#403.54)		PROVIDER (#4)	

Figure 48: Table File (cont.)

STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE

NOV 3,2016@17:09:24 PAGE 1  
 STORED IN ^SD(403.5, \*\*\* NO DATA STORED YET \*\*\* SITE: PATVEE.FO-ALBANY.MED.VA  
 .GOV UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
403.5,4.5	CLINIC	0;2 POINTER TO HOSPITAL LOCATION FILE (#44) (Required) (audited)	
	LAST EDITED:	NOV 02, 2016	
	HELP-PROMPT:	Select the clinic that this Recall will be linked to.	
	DESCRIPTION:	This is the Hospital Location which this patient will have the Recall entry assigned.	
	AUDIT:	YES, ALWAYS	
	CROSS-REFERENCE:	403.5^E 1)= S ^SD(403.5,"E",\$E(X,1,30),DA)="" 2)= K ^SD(403.5,"E",\$E(X,1,30),DA) Used during the display of Recall information and for selecting the printing of cards/letters, Also, used in selecting reports printed by Recall clinic.	

FILES POINTED TO	FIELDS
HOSPITAL LOCATION (#44)	CLINIC (#4.5)

Figure 49: Table File (cont.)

STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE

NOV 3,2016@17:10:24 PAGE 1  
 STORED IN ^SD(403.5, \*\*\* NO DATA STORED YET \*\*\* SITE: PATVEE.FO-ALBANY.MED.VA  
 .GOV UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
403.5,4.7	LENGTH OF APPT.	0;9 NUMBER (audited)	
	INPUT TRANSFORM:	K:+X'=X!(X>120)!(X<10)!(X?.E1". "1N.N) X	
	LAST EDITED:	NOV 02, 2016	
	HELP-PROMPT:	Type a Number between 10 and 120, 0 Decimal Digits	
	DESCRIPTION:	The length of appointment (in minutes) that will be required once scheduled.	
	AUDIT:	YES, ALWAYS	

Figure 50: Table File (cont.)

STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE			
OCT 28, 2015@20:28:18 PAGE 1			
STORED IN ^SD(403.5, (4 ENTRIES)		SITE: TECHNICAL INTEGRATION SERVICE UCI: D	
Evvvvv,DEvvvvv		(VERSION 5.3)	
DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----			
403.5,7.5	DATE/TIME RECALL ADDED 0;14 DATE		
	INPUT TRANSFORM:	S %DT="ET" D ^%DT S X=Y K:(Y<1)!(X>\$E(\$\$NOW^XLF DT,1,12)) X	
	LAST EDITED:	APR 03, 2015	
	HELP-PROMPT:	Enter a date and time not in the future	
	DESCRIPTION:	Date and Time this recall reminder was added. Cannot be in the future.	
	NOTES:	XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER	
	RECORD INDEX:	AC (#1162) REGULAR IR SORTING ONLY	
	Short Descr:	Index by DATE/TIME RECALL ADDED and USER WHO ENTERED RECALL	
	Description:	This cross reference is used to sort by DATE/TIME RECALL ADDED and USER WHO ENTERED RECALL.	
	Set Logic:	S ^SD(403.5,"AC",X(1),X(2),DA)=""	
	Kill Logic:	K ^SD(403.5,"AC",X(1),X(2),DA)	
	Whole Kill:	K ^SD(403.5,"AC")	
	X(1):	DATE/TIME RECALL ADDED (403.5,7.5) (Subscr 1) (forwards)	
	X(2):	USER WHO ENTERED RECALL (403.5,7) (Subscr 2) (forwards)	

Figure 51: Table File (cont.)

```

STANDARD DATA DICTIONARY #403.56 -- RECALL REMINDERS REMOVED FILE
OCT 28,2015@20:30:01 PAGE 1
STORED IN ^SD(403.56, *** NO DATA STORED YET *** SITE: TECHNICAL INTEGRATION
SERVICE UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA      NAME      GLOBAL      DATA
ELEMENT   TITLE      LOCATION   TYPE
-----
403.56,7.5  DATE/TIME RECALL ADDED 0;12 DATE

INPUT TRANSFORM: S %DT="ET" D ^%DT S X=Y K:Y<1 X
LAST EDITED:    APR 03, 2015
HELP-PROMPT:    Enter a date and time
DESCRIPTION:     Date and time this recall reminder was added.

RECORD INDEX:   AC (#1163)   REGULAR   IR   SORTING ONLY
Short Descr:    Index by DATE/TIME RECALL ADDED and USER WHO
ENTERED RECALL
Description:     This cross reference is used to sort by
DATE/TIME RECALL ADDED and USER WHO ENTERED
RECALL.
Set Logic:      S ^SD(403.56,"AC",X(1),X(2),DA)=""
Kill Logic:     K ^SD(403.56,"AC",X(1),X(2),DA)
Whole Kill:     K ^SD(403.56,"AC")
X(1):           DATE/TIME RECALL ADDED (403.56,7.5)
(Subscr 1) (forwards)
X(2):           USER WHO ENTERED RECALL (403.56,7) (Subscr 2)
(forwards)

```

Figure 52: Table File (cont.)

STORED IN ^SDWL(409.3, (8 ENTRIES) SITE: TECHNICAL INTEGRATION SERVICE UCI:  
DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.3,8.5	WL SPECIFIC HOSPITAL LOCATION 0;24 POINTER TO HOSPITAL LOCATION F ILE (#44)		
	LAST EDITED:	APR 30, 2015	
	HELP-PROMPT:	Select a hospital location	
	DESCRIPTION:	This is the HOSPITAL LOCATION in which the WL SPECIFIC CLINIC points to.	
	CROSS-REFERENCE:	409.3^AE 1)= S ^SDWL(409.3,"AE",\$E(X,1,30),DA)="" 2)= K ^SDWL(409.3,"AE",\$E(X,1,30),DA) This xref is used to find entries associated with a particular HOSPITAL LOCATION.	
	RECORD INDEX:	AD (#1168) REGULAR IR SORTING ONLY	
	Short Descr:	Index by PATIENT and WL SPECIFIC HOSPITAL LOCATION	
	Description:	This cross references is used to sort by PATIENT and WL SPECIFIC HOSPITAL LOCATION.	
	Set Logic:	S ^SDWL(409.3,"AD",X(1),X(2),DA)=""	
	Kill Logic:	K ^SDWL(409.3,"AD",X(1),X(2),DA)	
	Whole Kill:	K ^SDWL(409.3,"AD")	
	X(1):	PATIENT (409.3,.01) (Subscr 1) (forwards)	
	X(2):	WL SPECIFIC HOSPITAL LOCATION (409.3,8.5) (Subscr 2) (forwards)	
FILES POINTED TO		FIELDS	
HOSPITAL LOCATION (#44)		WL SPECIFIC HOSPITAL LOCATION (#8.5)	

Figure 53: Table File (cont.)

STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE

NOV 3,2016@17:11:41 PAGE 1  
 STORED IN ^SDWL(409.3, \*\*\* NO DATA STORED YET \*\*\* SITE: PATVEE.FO-ALBANY.MED.  
 VA.GOV UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.3,8.7	WL APPOINTMENT TYPE	0;26	POINTER TO APPOINTMENT TYPE FILE (#409.1) (audited)
	LAST EDITED:	NOV 02, 2016	
	HELP-PROMPT:	Select an appointment type.	
	DESCRIPTION:	This field represents the appointment type for the appointment that is to be associated with this wait list request.	
	AUDIT:	YES, ALWAYS	

FILES POINTED TO	FIELDS
APPOINTMENT TYPE (#409.1)	WL APPOINTMENT TYPE (#8.7)

Figure 54: Table File (cont.)

STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE

OCT 28,2015@20:36:31 PAGE 1  
 STORED IN ^SDWL(409.3, (8 ENTRIES) SITE: TECHNICAL INTEGRATION SERVICE UCI:  
 DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.3,9.5	DATE/TIME ENTERED	3;4	DATE
	INPUT TRANSFORM:	S %DT="ETX" D ^%DT S X=Y K:Y<1 X	
	LAST EDITED:	OCT 27, 2014	
	HELP-PROMPT:	Enter a date. Time is optional.	
	DESCRIPTION:	This is the Date and optional Time that this Wait List entry was entered.	

Figure 55: Table File (cont.)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.3,10	PRIORITY	0;11 SET (Required)	
		'A' FOR ASAP; 'F' FOR FUTURE;	
	LAST EDITED:	AUG 05, 2002	
	HELP-PROMPT:	Select either ASAP which will set the desired date for the appointment as the current date or select Future which will allow you to enter a desired date (example: T+6M)	
	DESCRIPTION:	If the patient is assigned to either the Service/Specialty or Specific Clinic Wait List, a priority of Future or ASAP (as soon as possible) must be entered. Future indicates that the patient needs an appointment in the future and a desired will be entered by the user. ASAP indicates that the patient needs an appointment before the currently next available appointment (as soon as a slot opens). The desired date for ASAP will be set by the system as the current date.	

Figure 56: Table File (cont.)



STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE			
OCT 28,2015@20:38:33 PAGE 1			
STORED IN ^SDWL(409.3, (8 ENTRIES) SITE: TECHNICAL INTEGRATION SERVICE UCI: DEVVVV,DEVVVV (VERSION 5.3)			
DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.3,10.5	ENROLLMENT PRIORITY	0;25 SET	
		'1' FOR GROUP 1;	
		'2' FOR GROUP 2;	
		'3' FOR GROUP 3;	
		'4' FOR GROUP 4;	
		'5' FOR GROUP 5;	
		'6' FOR GROUP 6;	
		'7' FOR GROUP 7;	
		'8' FOR GROUP 8;	
	LAST EDITED:	SEP 23, 2014	
	HELP-PROMPT:	Select an enrollment priority	
	DESCRIPTION:	The ENROLLMENT PRIORITY field represents the Wait List Enrollment Priority.	

Figure 57: Table File (cont.)

STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE			
NOV 3,2016@17:12:41 PAGE 1			
STORED IN ^SDWL(409.3, *** NO DATA STORED YET *** SITE: PATVEE.FO-ALBANY.MED. (VERSION 5.3)			
VA.GOV UCI: DEVVVV,DEVVVV			
DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.3,11	REQUEST BY	0;12 SET (Required) (audited)	
		'1' FOR PROVIDER;	
		'2' FOR PATIENT;	
	LAST EDITED:	NOV 02, 2016	
	HELP-PROMPT:	Enter who requested the appointment - the patient or a provider	
	DESCRIPTION:	If the patient is placed on a service/specialty or Specific Clinic wait List type, the user must enter who requested the appointment - the patient or a provider.	
	AUDIT:	YES, ALWAYS	

Figure 58: Table File (cont.)

## STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE

NOV 3,2016@17:13:38 PAGE 1  
SITE: PATVEE.FO-ALBANY.MED.  
(VERSION 5.3)STORED IN ^SDWL(409.3, \*\*\* NO DATA STORED YET \*\*\*  
VA.GOV UCI: DEVVVV,DEVVVV

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.3,12	PROVIDER	0;13 POINTER TO NEW PERSON FILE (#200) (audited)	
	LAST EDITED:	NOV 02, 2016	
	HELP-PROMPT:	This is the provider that requested the patient's appointment. Must be an active provider in file 200.	
	DESCRIPTION:	If the patient's appointment was requested by a provider, this is the provider that requested the patient's appointment. Must be an active provider in file 200.	
	AUDIT:	YES, ALWAYS	
FILES POINTED TO		FIELDS	
NEW PERSON (#200)		PROVIDER (#12)	

Figure 59: Table File (cont.)

## STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE

NOV 3,2016@17:14:49 PAGE 1  
SITE: PATVEE.FO-ALBANY.MED.  
(VERSION 5.3)STORED IN ^SDWL(409.3, \*\*\* NO DATA STORED YET \*\*\*  
VA.GOV UCI: DEVVVV,DEVVVV

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.3,25	COMMENTS	0;18 FREE TEXT (audited)	
	INPUT TRANSFORM:	K:\$L(X)>60!(\$L(X)<1) X	
	LAST EDITED:	NOV 02, 2016	
	HELP-PROMPT:	Answer must be 1-60 characters in length.	
	DESCRIPTION:	Free Text field to enter information related to the appointment that needs to be made. example: see progress note date 5/01/02 this would direct the scheduling clerk to a note that may contain lab,xray orders that need to be completed prior to the appointment.	
	AUDIT:	YES, ALWAYS	

Figure 60: Table File (cont.)

STORED IN ^SDWL(409.3,D0,4, SITE: TECHNICAL INTEGRATION SERVICE UCI: DEVVVV,  
DEVVVV

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.344,.01	DATE ENTERED	0;1 DATE	
	INPUT TRANSFORM:	S %DT="ETX" D ^%DT S X=Y K:Y<1 X	
	LAST EDITED:	NOV 14, 2014	
	HELP-PROMPT:	Enter a date. Time is optional.	
	DESCRIPTION:	This DATE ENTERED field represents the Date that an attempt was made to contact the patient regarding 'this' appointment. The time can also be optionally entered.	
	CROSS-REFERENCE:	409.344^B 1)= S ^SDWL(409.3,DA(1),4,"B",\$E(X,1,30),DA)="" 2)= K ^SDWL(409.3,DA(1),4,"B",\$E(X,1,30),DA)	
409.344,2	ENTERED BY USER	0;2 POINTER TO NEW PERSON FILE (#200)	
	LAST EDITED:	OCT 01, 2014	
	HELP-PROMPT:	Select a provider	
	DESCRIPTION:	The ENTERED BY USER field points to the NEW PERSON file and represents the user/provider that made an attempt to contact the patient regarding 'this' appointment.	
FILES POINTED TO		FIELDS	
NEW PERSON (#200)		ENTERED BY USER (#2)	

Figure 61: Table File (cont.)

STANDARD DATA DICTIONARY #409.344 -- PATIENT CONTACT SUB-FILE			
OCT 28, 2015@20:42:27 PAGE 1			
STORED IN ^SDWL(409.3,D0,4, SITE: TECHNICAL INTEGRATION SERVICE UCI: DEVVVV, DEVVVV			
DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.344,3	ACTION	0;3 SET	
		'C' FOR CALLED; 'M' FOR MESSAGE LEFT; 'L' FOR LETTER; LAST EDITED: APR 21, 2015 HELP-PROMPT: Select an action DESCRIPTION: The ACTION field represents the attempt that was made to contact the patient regarding 'this' appointment. C = Called M = Message Left L = LETTER	
409.344,4	PATIENT PHONE	0;4 FREE TEXT	
		INPUT TRANSFORM: K:\$L(X)>20!(\$L(X)<4) X LAST EDITED: NOV 13, 2014 HELP-PROMPT: Answer must be 4-20 characters in length. DESCRIPTION: This is the phone number used to contact the patient.	

Figure 62: Table File (cont.)

STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE

NOV 12,2015@15:52:40 PAGE 1

STORED IN ^SDWL(409.3, (3237 ENTRIES) SITE: MEDSPHERE UCI: FOIAREL2,FOIAREL  
2 (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
409.3,45	VS AUDIT	6;0 DATE Multiple #409.345 (Add New Entry without Asking)	
	DESCRIPTION:	This multiple is used as an audit trail of specific fields for Vista Scheduling GUI.	
409.345,.01	DATE EDITED	0;1 DATE (Multiply asked)	
	INPUT TRANSFORM:	S %DT="ETXR" D ^%DT S X=Y K:Y<1 X	
	LAST EDITED:	NOV 06, 2015	
	HELP-PROMPT:	Enter a date and time	
	DESCRIPTION:	This is the Date/Time in which the edits represented by this entry were made.	
	CROSS-REFERENCE:	409.345^B 1)= S ^SDWL(409.3,DA(1),6,"B",\$E(X,1,30),DA)="" 2)= K ^SDWL(409.3,DA(1),6,"B",\$E(X,1,30),DA)	
409.345,1	EDITED BY	0;2 POINTER TO NEW PERSON FILE (#200)	
	LAST EDITED:	NOV 06, 2015	
	HELP-PROMPT:	Enter a user	
	DESCRIPTION:	This is the user that edited the current VS Audit entry.	
409.345,2	WL SPECIFIC CLINIC	0;3 POINTER TO SD WL CLINIC LOCATION FILE (#409.32)	
	LAST EDITED:	NOV 06, 2015	
	HELP-PROMPT:	Select clinic from approved wait list clinics	
	DESCRIPTION:	If the patient has been assigned to the Specific Clinic Wait List, enter the clinic that the patient is waiting for an appointment. The clinic must be active and must be assigned to the institution designated. It must be an active clinic in file 409.32	

Figure 63: Table File (cont.)

409.345,3      WL SPECIFIC HOSPITAL LOCATION 0;4 POINTER TO HOSPITAL LOCATION  
FILE (#44)

LAST EDITED:      NOV 06, 2015  
HELP-PROMPT:      Select a hospital location  
DESCRIPTION:      This is the HOSPITAL LOCATION in which the WL  
SPECIFIC CLINIC points to.

409.345,4      WL SERVICE/SPECIALTY 0;5 POINTER TO SD WL SERVICE/SPECIALTY FIL  
E (#409.31)

LAST EDITED:      NOV 06, 2015  
HELP-PROMPT:      Enter the Service/Specialty (DSS ID) allowed by  
this institution in the wait list parameters,  
that this patient is waiting for an  
appointment.  
DESCRIPTION:      If the patient has been assigned to the  
Service/Specialty Wait List, enter the DSS ID  
that represents the service/specialty the  
patient is waiting for an appointment. This DSS  
ID must be active in file 409.31.

FILES POINTED TO	FIELDS
HOSPITAL LOCATION (#44)	VS AUDIT:WL SPECIFIC HOSPITAL LOCATION (#3)
NEW PERSON (#200)	VS AUDIT:EDITED BY (#1)
SD WL CLINIC LOCATION (#409.32)	VS AUDIT:WL SPECIFIC CLINIC (#2)
SD WL SERVICE/SPECIALTY (#409.31)	VS AUDIT:WL SERVICE/SPECIALTY (#4)

**Figure 64: Table File (cont.)**

STORED IN ^SDEC(409.81, \*\*\* NO DATA STORED YET \*\*\* SITE: TECHNICAL INTEGRATIO  
N SERVICE UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

-----  
This is where Versions and Builds are recorded for Clinic Scheduling.

DD ACCESS:  
RD ACCESS:  
WR ACCESS:  
DEL ACCESS:  
LAYGO ACCESS:  
AUDIT ACCESS:

## CROSS

REFERENCED BY: MAJOR VERSION(B)

409.81,.01	MAJOR VERSION	0;1 FREE TEXT (Required)
	INPUT TRANSFORM:	K:\$L(X)>30!(\$L(X)<1)!'(X'?1P.E) X
	LAST EDITED:	AUG 08, 2014
	HELP-PROMPT:	Answer must be 1-30 characters in length.
	DESCRIPTION:	Major part of a version number. i.e. for version 1.0, 1 is the Major Version; 0 is the Minor version
	CROSS-REFERENCE:	409.81^B 1)= S ^SDEC(409.81,"B", \$E(X,1,30),DA)="" 2)= K ^SDEC(409.81,"B", \$E(X,1,30),DA)

Figure 65: Table File (cont.)

409.81,.02	MINOR VERSION	0;2 FREE TEXT
	INPUT TRANSFORM:	K:\$L(X)>30!(\$L(X)<1) X
	LAST EDITED:	AUG 08, 2014
	HELP-PROMPT:	Answer must be 1-30 characters in length.
	DESCRIPTION:	Major part of a version number. i.e. for version 1.0, 1 is the Major Version; 0 is the Minor version
409.81,.03	BUILD	0;3 DATE
	INPUT TRANSFORM:	S %DT="ET" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	AUG 08, 2014
	HELP-PROMPT:	Enter a date and time
	DESCRIPTION:	Build date is the date of the current build of this Major.Minor version.
INPUT TEMPLATE(S):		
PRINT TEMPLATE(S):		
SORT TEMPLATE(S):		
FORM(S)/BLOCK(S):		

Figure 66: Table File (cont.)



STANDARD DATA DICTIONARY #409.822 -- SDEC ACCESS GROUP FILE  
OCT 28,2015@20:45:38 PAGE 1  
STORED IN ^SDEC(409.822, \*\*\* NO DATA STORED YET \*\*\* SITE: TECHNICAL INTEGRATI  
ON SERVICE UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

-----  
This is where Access Groups are defined. These Groups are sometimes termed as  
'department'. These are used to 'group' access types to tie together a group  
of Resources that may be selected from.

DD ACCESS:  
RD ACCESS:  
WR ACCESS:  
DEL ACCESS:  
LAYGO ACCESS:  
AUDIT ACCESS:

POINTED TO BY: ACCESS GROUP field (#.01) of the SDEC ACCESS GROUP TYPE File  
(#409.824)

CROSS  
REFERENCED BY: ACCESS GROUP(B)

409.822,.01 ACCESS GROUP 0;1 FREE TEXT (Required)

INPUT TRANSFORM: K:\$L(X)>30!(\$L(X)<3)!'(X'?1P.E) X  
LAST EDITED: AUG 12, 2014  
HELP-PROMPT: Answer must be 3-30 characters in length.  
DESCRIPTION: The name of this access group.

CROSS-REFERENCE: 409.822^B  
1)= S ^SDEC(409.822,"B",\$E(X,1,30),DA)=""  
2)= K ^SDEC(409.822,"B",\$E(X,1,30),DA)

Figure 67: Table File (cont.)

STANDARD DATA DICTIONARY #409.823 -- SDEC ACCESS TYPE FILE			
OCT 28,2015@20:47:11 PAGE 1			
STORED IN ^SDEC(409.823, (5 ENTRIES) SITE: TECHNICAL INTEGRATION SERVICE UC			
I: DEVVVV,DEVVVV (VERSION 5.3)			
DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----			
This is where Access Types are defined. The Resource object points to this file. This is where the Group (or department) is linked to a resource and where the colors are defined for the calendar.			
DD ACCESS:			
RD ACCESS:			
WR ACCESS:			
DEL ACCESS:			
LAYGO ACCESS:			
AUDIT ACCESS:			
POINTED TO BY: ACCESS TYPE field (#.05) of the SDEC ACCESS BLOCK File (#409.821) ACCESS TYPE field (#.02) of the SDEC ACCESS GROUP TYPE File (#409.824)			
CROSS			
REFERENCED BY: ACCESS TYPE NAME(B)			
409.823,.01	ACCESS TYPE NAME	0;1 FREE TEXT (Required)	
INPUT TRANSFORM:		K:\$L(X)>30!(\$L(X)<3)!'(X'?1P.E) X	
LAST EDITED:		AUG 12, 2014	
HELP-PROMPT:		Answer must be 3-30 characters in length.	
DESCRIPTION:		The name of this access type.	
CROSS-REFERENCE:		409.823^B 1)= S ^SDEC(409.823,"B",\$(X,1,30),DA)="" 2)= K ^SDEC(409.823,"B",\$(X,1,30),DA)	

Figure 68: Table File (cont.)

409.823,.02	INACTIVE	0;2 SET	
		'1' FOR YES; '0' FOR NO;	
	LAST EDITED:	AUG 12, 2014	
	HELP-PROMPT:	Enter 1 or YES if this access type is inactive. Enter 0 or NO if this access type is active.	
	DESCRIPTION:	Yes/No field indicating that this access type has been inactivated.	
409.823,.03	DEPARTMENT NAME	0;3 POINTER TO SDEC RESOURCE GROUP FILE (# 409.832)	
	LAST EDITED:	AUG 12, 2014	
	HELP-PROMPT:	Select a department	
	DESCRIPTION:	A Resource Group can also be referred to as a department. This is the Resource Group that this access type belongs to.	
409.823,.04	DISPLAY COLOR	0;4 FREE TEXT	
	INPUT TRANSFORM:	K:\$L(X)>30!(\$L(X)<1) X	
	LAST EDITED:	AUG 12, 2014	
	HELP-PROMPT:	Answer must be 1-30 characters in length.	
	DESCRIPTION:	Free-Text name of the color used to display the block for this access type.	
409.823,.05	RED	0;5 NUMBER	
	INPUT TRANSFORM:	K:+X'=X!(X>255)!(X<0)!(X?.E1"."1N.N) X	
	LAST EDITED:	AUG 12, 2014	
	HELP-PROMPT:	Type a number between 0 and 255, 0 decimal digits.	
	DESCRIPTION:	This is the numeric color code for the degree of the RED rgb attribute used in displaying a block for this access type.	

Figure 69: Table File (cont.)

409.823,.06	GREEN	0;6 NUMBER
	INPUT TRANSFORM:	K:+X'=X!(X>255)!(X<0)!(X?.E1"."1N.N) X
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Type a number between 0 and 255, 0 decimal digits.
	DESCRIPTION:	This is the numeric color code for the degree of the GREEN rgb attribute used in displaying a block for this access type.
409.823,.07	BLUE	0;7 NUMBER
	INPUT TRANSFORM:	K:+X'=X!(X>255)!(X<0)!(X?.E1"."1N.N) X
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Type a number between 0 and 255, 0 decimal digits.
	DESCRIPTION:	This is the numeric color code for the degree of the BLUE rgb attribute used in displaying a block for this access type.
409.823,.08	PREVENT ACCESS	0;8 SET
		'1' FOR YES; '0' FOR NO;
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Enter 1 or YES if the client should prevent access to this access type. Enter 0 or NO if the client should be allowed access to this access type.
	DESCRIPTION:	This field is used by the client to show this access type as a read-only block.

FILES POINTED TO	FIELDS
SDEC RESOURCE GROUP (#409.832)	DEPARTMENT NAME (#.03)

Figure 70: Table File (cont.)

STANDARD DATA DICTIONARY #409.824 -- SDEC ACCESS GROUP TYPE FILE  
 OCT 28,2015@20:51:04 PAGE 1  
 STORED IN ^SDEC(409.824, \*\*\* NO DATA STORED YET \*\*\* SITE: TECHNICAL INTEGRATI  
 ON SERVICE UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

-----  
 This is where Access Groups and Access Types are paired together. This is used  
 to group Resources.

DD ACCESS:  
 RD ACCESS:  
 WR ACCESS:  
 DEL ACCESS:  
 LAYGO ACCESS:  
 AUDIT ACCESS:

CROSS  
 REFERENCED BY: ACCESS GROUP(B)

409.824,.01 ACCESS GROUP 0;1 POINTER TO SDEC ACCESS GROUP FILE (#40  
 9.822) (Required)

LAST EDITED: AUG 12, 2014  
 HELP-PROMPT: Select an access group  
 DESCRIPTION: The access group that is to be linked to an  
 access type.

CROSS-REFERENCE: 409.824^B  
 1)= S ^SDEC(409.824,"B",\$(X,1,30),DA)=""  
 2)= K ^SDEC(409.824,"B",\$(X,1,30),DA)

Figure 71: Table File (cont.)

409.824,.02	ACCESS TYPE	0;2 POINTER TO SDEC ACCESS TYPE FILE (#409.823)
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Select an access type
	DESCRIPTION:	The access type that is to be linked to an access group.
FILES POINTED TO		FIELDS
SDEC ACCESS GROUP (#409.822)		ACCESS GROUP (#.01)
SDEC ACCESS TYPE (#409.823)		ACCESS TYPE (#.02)
INPUT TEMPLATE(S):		
PRINT TEMPLATE(S):		
SORT TEMPLATE(S):		
FORM(S)/BLOCK(S):		

Figure 72: Table File (cont.)

STANDARD DATA DICTIONARY #409.831 -- SDEC RESOURCE FILE			
OCT 28, 2015@20:53:01 PAGE 1			
STORED IN ^SDEC(409.831, (36 ENTRIES) SITE: TECHNICAL INTEGRATION SERVICE U			
CI: DEVVVV,DEVVVV (VERSION 5.3)			
DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----			
This is where a Resource object is defined for Clinical Scheduling. A Resource Object can be a NEW PERSON, HOSPITAL LOCATION, or an SDEC ADDITIONAL RESOURCE. A Resource is linked to a HOSPITAL LOCATION (or Clinic).			
DD ACCESS: RD ACCESS: WR ACCESS: DEL ACCESS: LAYGO ACCESS: AUDIT ACCESS:			
POINTED TO BY: RESOURCE field (#.01) of the SDEC ACCESS BLOCK File (#409.821) RESOURCE field (#.01) of the RESOURCE sub-field (#409.8321) of the SDEC RESOURCE GROUP File (#409.832) RESOURCENAME field (#.01) of the SDEC RESOURCE USER File (#409.833) RESOURCE field (#.07) of the SDEC APPOINTMENT File (#409.84)			
CROSS			
REFERENCED BY: HOSPITAL LOCATION(ALOC), ASSOCIATED VISTA CLINICS(ASSOC), RESOURCE(B)			
INDEXED BY: RESOURCE TYPE & RESOURCE TYPE (AC)			

Figure 73: Table File (cont.)

409.831,.01    RESOURCE                      0;1 FREE TEXT (Required)

INPUT TRANSFORM: K:\$L(X)>30!(\$L(X)<3) X  
LAST EDITED: SEP 16, 2014  
HELP-PROMPT: Answer must be 3-30 characters in length.  
DESCRIPTION: The name for this resource.

CROSS-REFERENCE: 409.831^B  
1)= S ^SDEC(409.831,"B",\$E(X,1,30),DA)=""  
2)= K ^SDEC(409.831,"B",\$E(X,1,30),DA)

409.831,.012    RESOURCE TYPE                      0;11                      VARIABLE POINTER

FILE	ORDER	PREFIX	LAYGO	MESSAGE
44	1	H	y	CLINIC
200	2	P	y	PROVIDER
409.834	3	A	y	ADDITIONAL RESOURCE

OUTPUT TRANSFORM: S Y=\$\$OT1^SDEC03(Y)  
LAST EDITED: OCT 27, 2015  
HELP-PROMPT: Select a Resource Type  
DESCRIPTION: This is a variable pointer field that can point to HOSPITAL LOCATION file 44, NEW PERSON file 200, or SDEC ADDITIONAL RESOURCE file 409.834.

RECORD INDEXES: AC (#1176)

409.831,.015    DATE/TIME ENTERED                      0;5 DATE

INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X  
LAST EDITED: OCT 29, 2014  
HELP-PROMPT: Enter a date and time  
DESCRIPTION: This is the Date and time that this Resource was added.

Figure 74: Table File (cont.)



409.831,.016	ENTERED BY USER	0;6 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED:	OCT 29, 2014
	HELP-PROMPT:	Select a user
	DESCRIPTION:	This is the user that defined this resource.
409.831,.02	INACTIVE	; COMPUTED
	MUMPS CODE:	S X=\$\$XRC1^SDEC03(DA)
	ALGORITHM:	S X=\$\$XRC1^SDEC03(DA)
	LAST EDITED:	NOV 14, 2014
	HELP-PROMPT:	Is this resource inactive (yes/no)
	DESCRIPTION:	This computed field displays the inactive status of this resource. NO means this resource is not inactive (is active). YES means this resource inactive.
409.831,.021	INACTIVATED DATE/TIME	0;7 DATE
	INPUT TRANSFORM:	S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	OCT 29, 2014
	HELP-PROMPT:	Enter a date and time
	DESCRIPTION:	This is the date and time that this resource was inactivated.
409.831,.022	INACTIVATED BY USER	0;8 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED:	OCT 29, 2014
	HELP-PROMPT:	Select a user
	DESCRIPTION:	This is the user that inactivated this resource.

Figure 75: Table File (cont.)

409.831,.025    REACTIVATED DATE/TIME    0;9 DATE

INPUT TRANSFORM:    S %DT="ETXR" D ^%DT S X=Y K:Y<1 X  
LAST EDITED:        OCT 29, 2014  
HELP-PROMPT:        Enter a date and time  
DESCRIPTION:        This is the date and time this resource was  
                         re-activated.

409.831,.026    REACTIVATED BY USER        0;10 POINTER TO NEW PERSON FILE (#200)

LAST EDITED:        OCT 29, 2014  
HELP-PROMPT:        Select a user  
DESCRIPTION:        This is the user that re-activated this  
                         resource.

409.831,.03     TIME SCALE                    0;3 SET

'5' FOR 5;  
'10' FOR 10;  
'15' FOR 15;  
'20' FOR 20;  
'30' FOR 30;  
'60' FOR 60;  
LAST EDITED:        AUG 12, 2014  
HELP-PROMPT:        Select time scale  
DESCRIPTION:        This is where the Time Scale is defined for  
                         this resource. The time scale is in Minutes  
                         and can be 5, 10, 15, 20, 30, or 60 minutes.

Figure 76: Table File (cont.)

409.831,.04	HOSPITAL LOCATION	0;4 POINTER TO HOSPITAL LOCATION FILE (#44 )	
	LAST EDITED:	AUG 12, 2014	
	HELP-PROMPT:	Select a hospital location	
	DESCRIPTION:	This is where a HOSPITAL LOCATION (or Clinic) is linked to this Resource.	
	CROSS-REFERENCE:	409.831^ALOC 1)= S ^SDEC(409.831,"ALOC",\$E(X,1,30),DA)="" 2)= K ^SDEC(409.831,"ALOC",\$E(X,1,30),DA) This "ALOC" xref is used to look up an SDEC RESOURCE record using a HOSPITAL LOCATION id.	
409.831,1	LETTER TEXT	1;0 WORD-PROCESSING #409.8311	
	(IGNORE " ")		
	DESCRIPTION:	This is where the LETTER TEXT for a Resource is defined.	
409.831,1201	NO SHOW LETTER	12;0 WORD-PROCESSING #409.8311201	
	(IGNORE " ")		
	DESCRIPTION:	This is where the NO SHOW LETTER is defined for this Resource.	
409.831,1301	CLINIC CANCELLATION LETTER	13;0 WORD-PROCESSING #409.8311301	
	(IGNORE " ")		
	DESCRIPTION:	This is where the CLINIC CANCELLATION LETTER is defined for this Resource.	

Figure 77: Table File (cont.)

```

409.831,2001 ASSOCIATED VISTA CLINICS 20;0 POINTER Multiple #409.8312001

      DESCRIPTION:      Additional HOSPITAL LOCATIONs (or Clinics) can
                        be listed here for this Resource.

409.8312001,.01 ASSOCIATED VISTA CLINICS 0;1 POINTER TO HOSPITAL LOCATION FILE
                  (#44) (Multiply asked)

      LAST EDITED:      DEC 10, 2014
      HELP-PROMPT:      Select a clinic
      DESCRIPTION:      Additional HOSPITAL LOCATIONs (or Clinics)
                        can be listed here for this Resource.

      CROSS-REFERENCE:  409.8312001^B
                        1)= S ^SDEC(409.831,DA(1),20,"B",$E(X,1,30),DA)
                        =""

                        2)= K ^SDEC(409.831,DA(1),20,"B",$E(X,1,30),DA)

      CROSS-REFERENCE: 409.831^ASSOC
                        1)= S ^SDEC(409.831,"ASSOC",$E(X,1,30),DA(1),DA)
                        =""

                        2)= K ^SDEC(409.831,"ASSOC",$E(X,1,30),DA(1),DA)
                        )
      This "ASSOC" xref is used to find a SDEC
      RESOURCE record using a HOSPITAL LOCATION id
      that was used in the ASSOCIATED VISTA CLINICS
      multiple.

```

**Figure 78: Table File (cont.)**

```

STANDARD DATA DICTIONARY #409.832 -- SDEC RESOURCE GROUP FILE
                                OCT 28,2015@21:00:22  PAGE 1
STORED IN ^SDEC(409.832, (2 ENTRIES)  SITE: TECHNICAL INTEGRATION SERVICE  UC
I: DEVVVV,DEVVVV                                (VERSION 5.3)

DATA      NAME      GLOBAL      DATA
ELEMENT   TITLE     LOCATION   TYPE
-----
This is where Resources are 'grouped' with other Resources.

        DD ACCESS:
        RD ACCESS:
        WR ACCESS:
        DEL ACCESS:
        LAYGO ACCESS:
        AUDIT ACCESS:

POINTED TO BY: DEPARTMENT NAME field (#.03) of the SDEC ACCESS TYPE File
                (#409.823)

CROSS
REFERENCED BY: RESOURCE(AB), NAME(B)

409.832,.01  NAME                      0;1 FREE TEXT (Required)

        INPUT TRANSFORM:  K:$L(X)>30!($L(X)<3)!'(X'?1P.E) X
        LAST EDITED:      OCT 16, 2014
        HELP-PROMPT:      Answer must be 3-30 characters in length.
        DESCRIPTION:      Free-Text entry to define the Resource Group
                           name.

        CROSS-REFERENCE:  409.832^B
                           1)= S ^SDEC(409.832,"B",$(X,1,30),DA)=""
                           2)= K ^SDEC(409.832,"B",$(X,1,30),DA)

```

Figure 79: Table File (cont.)

409.832,.02	INACTIVATION DATE	0;2 DATE
	INPUT TRANSFORM:	S %DT="ETX" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	OCT 20, 2014
	HELP-PROMPT:	Enter a date. Time is optional.
	DESCRIPTION:	Date/Time in which this Resource Group was inactivated. Time is optional.
409.832,1	RESOURCE	1;0 POINTER Multiple #409.8321
	DESCRIPTION:	These are the Resources (SDEC RESOURCE) that belong to this Resource Group.
409.8321,.01	RESOURCE	0;1 POINTER TO SDEC RESOURCE FILE (#409.831) (Multiply asked)
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Select a resource
	DESCRIPTION:	Resource (SDEC RESOURCE) that belongs to this Resource Group.
	CROSS-REFERENCE:	409.8321^B 1)= S ^SDEC(409.832,DA(1),1,"B",\$(X,1,30),DA)= "" 2)= K ^SDEC(409.832,DA(1),1,"B",\$(X,1,30),DA)
	CROSS-REFERENCE:	409.832^AB 1)= S ^SDEC(409.832,"AB",\$(X,1,30),DA(1),DA)="" 2)= K ^SDEC(409.832,"AB",\$(X,1,30),DA(1),DA) This "AB" xref is used to find a SDEC RESOURCE GROUP record using a SDEC RESOURCE id.

Figure 80: Table File (cont.)

FILES POINTED TO	FIELDS
SDEC RESOURCE (#409.831)	RESOURCE:RESOURCE (#.01)
INPUT TEMPLATE(S):	
PRINT TEMPLATE(S):	
SORT TEMPLATE(S):	
FORM(S)/BLOCK(S):	

Figure 81: Table File (cont.)

STORED IN ^SDEC(409.833, (1 ENTRY) SITE: TECHNICAL INTEGRATION SERVICE UCI:  
DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

-----  
This is where a NEW PERSON user is linked to a Resource (SDEC RESOURCE). The user's ability to Overbook, Modify Schedules, and modify appointments are defined here.

DD ACCESS:  
RD ACCESS:  
WR ACCESS:  
DEL ACCESS:  
LAYGO ACCESS:  
AUDIT ACCESS:

**CROSS**

REFERENCED BY: USERNAME(AC), RESOURCENAME(B)

409.833,.01 RESOURCENAME 0;1 POINTER TO SDEC RESOURCE FILE (#409.83  
1) (Required)

LAST EDITED: AUG 12, 2014  
HELP-PROMPT: Select a resource  
DESCRIPTION: This is the Resource (SDEC RESOURCE) that is to  
be linked to a user (NEW PERSON).

CROSS-REFERENCE: 409.833^B  
1)= S ^SDEC(409.833,"B",\$E(X,1,30),DA)=""  
2)= K ^SDEC(409.833,"B",\$E(X,1,30),DA)

**Figure 82: Table File (cont.)**

409.833,.02	USERNAME	0;2 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Select the user who is linked to the Resource.
	DESCRIPTION:	This is the user (NEW PERSON file) that will be linked to a Resource (SDEC RESOURCE file).
	CROSS-REFERENCE:	409.833^AC 1)= S ^SDEC(409.833,"AC",\$E(X,1,30),DA)="" 2)= K ^SDEC(409.833,"AC",\$E(X,1,30),DA) This AC xref is used to look up the SDEC RESOURCE USER record using the given User (NEW PERSON).
409.833,.03	OVERBOOK	0;3 SET
		'1' FOR YES; '0' FOR NO;
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Enter 1 or YES if this user is allowed to overbook. Enter 0 or NO if this user is not allowed to overbook.
	DESCRIPTION:	Define if this user has Overbook privileges.
409.833,.04	MODIFY SCHEDULE	0;4 SET
		'1' FOR YES; '0' FOR NO;
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Enter 1 or YES if this user is allowed to modify schedules. Enter 0 or NO if this user is not allowed to modify schedules.
	DESCRIPTION:	Define if this user can Modify Schedules.

Figure 83: Table File (cont.)



409.833,.05	MODIFY APPOINTMENTS	0;5 SET
		'1' FOR YES; '0' FOR NO;
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Enter 1 or YES if this user is allowed to modify appointments. Enter 0 or NO if this user is not allowed to modify appointments.
	DESCRIPTION:	Define if this user can Modify Appointments.
409.833,.06	MASTEROVERBOOK	0;6 SET
		'1' FOR YES; '0' FOR NO;
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Enter 1 or YES if this user has master overbook privileges. Enter 0 or NO if this user does not have these privileges.
	DESCRIPTION:	Define if this user has Master Overbook capabilities.
FILES POINTED TO		FIELDS
NEW PERSON (#200)		USERNAME (#.02)
SDEC RESOURCE (#409.831)		RESOURCENAME (#.01)
INPUT TEMPLATE(S):		
PRINT TEMPLATE(S):		
SORT TEMPLATE(S):		
FORM(S)/BLOCK(S):		

Figure 84: Table File (cont.)

```

STANDARD DATA DICTIONARY #409.834 -- SDEC ADDITIONAL RESOURCE FILE
                                OCT 28,2015@21:05:56 PAGE 1
STORED IN ^SDEC(409.834, *** NO DATA STORED YET *** SITE: TECHNICAL INTEGRATI
ON SERVICE   UCI: DEVVVV,DEVVVV                                (VERSION 5.3)

DATA      NAME      GLOBAL      DATA
ELEMENT   TITLE     LOCATION   TYPE
-----
This file is as used a source file for items that are to be defined as a
resource, but do not fit into a typical Resource source file.  SDEC RESOURCE
points to this file.

        DD ACCESS:
        RD ACCESS:
        WR ACCESS:
        DEL ACCESS:
        LAYGO ACCESS:
        AUDIT ACCESS:

POINTED TO BY: RESOURCE TYPE field (#.012) of the SDEC RESOURCE File (#409.831)

CROSS
REFERENCED BY: NAME(B)

409.834,.01  NAME                      0;1 FREE TEXT (Required)

        INPUT TRANSFORM: K:$L(X)>30!($L(X)<3)!'(X'?1P.E) X
        LAST EDITED:    SEP 15, 2014
        HELP-PROMPT:    Answer must be 3-30 characters in length.
        DESCRIPTION:
                        Name of this resource.

        CROSS-REFERENCE: 409.834^B
                        1)= S ^SDEC(409.834,"B",$E(X,1,30),DA)=""
                        2)= K ^SDEC(409.834,"B",$E(X,1,30),DA)

```

Figure 85: Table File (cont.)

409.834,2	INACTIVE	0;2 SET
		'1' FOR YES;
		'0' FOR NO;
	LAST EDITED:	SEP 15, 2014
	HELP-PROMPT:	Enter 1 or YES if this additional resource is inactive. Enter 0 or NO if this additional resource is active.
	DESCRIPTION:	Yes/No field to indicate that this resource is inactive.

INPUT TEMPLATE(S):

PRINT TEMPLATE(S):

SORT TEMPLATE(S):

FORM(S)/BLOCK(S): ■

Figure 86: Table File (cont.)

## STANDARD DATA DICTIONARY #409.84 -- SDEC APPOINTMENT FILE

OCT 28,2015@21:08 PAGE 1

STORED IN ^SDEC(409.84, (93 ENTRIES) SITE: TECHNICAL INTEGRATION SERVICE UC  
 I: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

-----  
 This is where appointment definitions are linked to a resource.

DD ACCESS:  
 RD ACCESS:  
 WR ACCESS:  
 DEL ACCESS:  
 LAYGO ACCESS:  
 AUDIT ACCESS:

POINTED TO BY: MULT APPTS MADE field (#.01) of the MULT APPTS MADE sub-field  
 (#409.852) of the SDEC APPT REQUEST File (#409.85)

## CROSS

REFERENCED BY: EXTERNAL ID(AEX), RESOURCE(ARSRC), STARTTIME(B),  
 PATIENT(CPAT)

409.84,.01 STARTTIME 0;1 DATE (Required)

INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X

LAST EDITED: OCT 21, 2014

HELP-PROMPT: Enter a date and time

DESCRIPTION: Date and Time this appointment is scheduled to  
 start.

CROSS-REFERENCE: 409.84^B

1)= S ^SDEC(409.84,"B",\$E(X,1,30),DA)=""

2)= K ^SDEC(409.84,"B",\$E(X,1,30),DA)

Figure 87: Table File (cont.)

409.84,.02	ENDTIME	0;2 DATE (Required)
	INPUT TRANSFORM:	S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	OCT 21, 2014
	HELP-PROMPT:	Enter a date and time
	DESCRIPTION:	The date and time that this appointment ended.
409.84,.03	CHECKIN	0;3 DATE
	INPUT TRANSFORM:	S %DT="ETR" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	NOV 03, 2014
	HELP-PROMPT:	Enter a date and time
	DESCRIPTION:	Date and Time of the Check-In for this appointment.
409.84,.04	CHECK IN TIME ENTERED	0;4 DATE
	INPUT TRANSFORM:	S %DT="ETR" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	NOV 03, 2014
	HELP-PROMPT:	Enter a date and time
	DESCRIPTION:	Date/Time the Check-In was entered.
409.84,.05	PATIENT	0;5 POINTER TO PATIENT/IHS FILE (#9000001)
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Select a patient
	DESCRIPTION:	This is the patient that this appointment is scheduled for.
	CROSS-REFERENCE:	409.84^CPAT 1)= S ^SDEC(409.84,"CPAT",\$E(X,1,30),DA)="" 2)= K ^SDEC(409.84,"CPAT",\$E(X,1,30),DA) This xref is used to look up appointments by Patient.

Figure 88: Table File (cont.)

409.84,.06	APPOINTMENT TYPE	0;6 POINTER TO APPOINTMENT TYPE FILE (#409.1)
	LAST EDITED:	MAY 22, 2015
	HELP-PROMPT:	Select an appointment type.
	DESCRIPTION:	This field represents the Appointment Type.
	TECHNICAL DESCR:	This field is a pointer to the APPOINTMENT TYPE file 409.1.
409.84,.07	RESOURCE	0;7 POINTER TO SDEC RESOURCE FILE (#409.831)
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Select a resource
	DESCRIPTION:	This field represents the resource that is scheduled for this appointment.
	CROSS-REFERENCE:	409.84^ARSRC^MUMPS 1)= D XR2S^SDEC03(DA) 2)= D XR2K^SDEC03(DA) This index is used to find all appointments for a given resource during a given time period.
409.84,.08	DATA ENTRY CLERK	0;8 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED:	AUG 12, 2014
	HELP-PROMPT:	Select the clerk who entered this appointment.
	DESCRIPTION:	Field contains the ien of the clerk who made the appointment.

Figure 89: Table File (cont.)

409.84,.09	DATE APPT MADE	0;9 DATE	
	INPUT TRANSFORM:	S %DT="EX" D ^%DT S X=Y K:Y<1 X	
	LAST EDITED:	OCT 22, 2014	
	HELP-PROMPT:	Enter a date	
	DESCRIPTION:	Field contains the date the appointment was made.	
409.84,.1	NOSHOW	0;10 SET	
		'1' FOR YES;	
		'0' FOR NO;	
	LAST EDITED:	AUG 12, 2014	
	HELP-PROMPT:	Enter 1 or YES if this appointment was a No-Show. Enter 0 or NO if this appointment was not a No-Show.	
	DESCRIPTION:	Yes/No field indicating this appointment was a No-Show.	
409.84,.101	NOSHOW DATETIME	0;23 DATE	
	INPUT TRANSFORM:	S %DT="ETXR" D ^%DT S X=Y K:Y<1 X	
	LAST EDITED:	OCT 21, 2014	
	HELP-PROMPT:	Enter a date and time	
	DESCRIPTION:	This is the Date/Time that the No-Show was entered.	
409.84,.102	NOSHOW BY USER	0;24 POINTER TO NEW PERSON FILE (#200)	
	LAST EDITED:	OCT 15, 2014	
	HELP-PROMPT:	Select the user that entered the No-Show	
	DESCRIPTION:	This is the User that entered the No-Show.	

Figure 90: Table File (cont.)

409.84, .11	REBOOK DATETIME	0;11 DATE
	INPUT TRANSFORM:	S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	OCT 21, 2014
	HELP-PROMPT:	Enter a date and time
	DESCRIPTION:	This the date and time that the rebooking was entered.
409.84, .12	CANCEL DATETIME	0;12 DATE
	INPUT TRANSFORM:	S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	OCT 21, 2014
	HELP-PROMPT:	Enter cancellation date and time
	DESCRIPTION:	The date/time the cancellation was entered.
409.84, .121	CANCELLED BY USER	0;21 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED:	OCT 14, 2014
	HELP-PROMPT:	Select the user who entered this cancellation.
	DESCRIPTION:	This is the user that entered the cancellation.
409.84, .122	CANCELLATION REASON	0;22 POINTER TO CANCELLATION REASONS FILE (#409.2)
	LAST EDITED:	OCT 14, 2014
	HELP-PROMPT:	Select a cancellation reason
	DESCRIPTION:	Reason for Cancellation that was selected from the CANCELLATION REASON file 409.2.

Figure 91: Table File (cont.)



409.84,.13	WALKIN	0;13 SET	
		'y' FOR YES; 'n' FOR NO; LAST EDITED: AUG 12, 2014 HELP-PROMPT: Enter y or YES if this is a walk-in appointment. Enter n or NO if this is not a walk-in appointment. DESCRIPTION: Yes/No field to indicate that this appointment was a Walk-in or adhoc appointment.	
409.84,.14	CHECKOUT	0;14 DATE	
		INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X LAST EDITED: OCT 21, 2014 HELP-PROMPT: Enter checkout date and time DESCRIPTION: CHECKOUT DATE/TIME FOR APPOINTMENT.	
409.84,.15	V PROVIDER IEN	0;15 POINTER TO V PROVIDER FILE (#9000010.06)	
		LAST EDITED: AUG 12, 2014 HELP-PROMPT: Select provider DESCRIPTION: V PROVIDER IEN is the pointer to the V PROVIDER file for the patient.	
409.84,.16	PROVIDER	0;16 POINTER TO NEW PERSON FILE (#200)	
		LAST EDITED: AUG 12, 2014 HELP-PROMPT: Select a provider DESCRIPTION: The primary provider for this appointment.	

Figure 92: Table File (cont.)

409.84,.17	STATUS	0;17 SET
		'N' FOR NO-SHOW; 'C' FOR CANCELLED BY CLINIC; 'NA' FOR NO-SHOW & AUTO RE-BOOK; 'CA' FOR CANCELLED BY CLINIC & AUTO RE-BOOK; 'I' FOR INPATIENT APPOINTMENT; 'PC' FOR CANCELLED BY PATIENT; 'PCA' FOR CANCELLED BY PATIENT & AUTO-REBOOK; 'NT' FOR NO ACTION TAKEN; LAST EDITED: JUN 18, 2015 HELP-PROMPT: Select an appointment status DESCRIPTION: Populated by SDEC CANCEL APPOINTMENT in the event there is an 'undo' of a Cancelled Appointment.
409.84,.18	LENGTH OF APPT	0;18 NUMBER
		INPUT TRANSFORM: K:+X'=X!(X>120)!(X<5)!(X?.E1"."1N.N) X LAST EDITED: AUG 12, 2014 HELP-PROMPT: Type a number between 5 and 120, 0 decimal digits. DESCRIPTION: This represents the length of this appointment in minutes. This is populated when an appointment is cancelled and is used in the event that the appointment is re-instated.
409.84,.19	PREV APPT STATUS	0;19 POINTER TO APPOINTMENT STATUS FILE (# 409.63)
		LAST EDITED: AUG 12, 2014 HELP-PROMPT: Select an appointment status DESCRIPTION: Pointer to APPOINTMENT STATUS file; used to restore status in visit encounter in the event that a user re-instates the appointment after a 'cancel' has been processed.

Figure 93: Table File (cont.)

409.84,.2	<p>DESIRED DATE OF APPOINTMENT 0;20 DATE</p> <p>INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y&lt;1 X</p> <p>LAST EDITED: OCT 22, 2014</p> <p>HELP-PROMPT: Enter the desired date for this appointment.</p> <p>DESCRIPTION: This is the appointment date that is needed/desired.</p>
409.84,.21	<p>EXTERNAL ID 0;25 FREE TEXT</p> <p>INPUT TRANSFORM: K:\$L(X)&gt;50!(\$L(X)&lt;1) X</p> <p>LAST EDITED: OCT 16, 2014</p> <p>HELP-PROMPT: Answer must be 1-50 characters in length.</p> <p>DESCRIPTION: This is used to hold an external identifier.</p> <p>CROSS-REFERENCE: 409.84^AEX  1)= S ^SDEC(409.84,"AEX",\$E(X,1,30),DA)=""  2)= K ^SDEC(409.84,"AEX",\$E(X,1,30),DA)  Used to lookup the SDEC APPOINTMENT ien using the external ID.</p>

Figure 94: Table File (cont.)

409.84,.22	APPT REQUEST TYPE	2;1	VARIABLE POINTER
	FILE ORDER PREFIX LAYGO MESSAGE		
	409.3 1 E y EWL		
	123 2 C y CONSULT		
	403.5 3 R y RECALL		
	409.85 4 A y APPT		
	OUTPUT TRANSFORM:	S Y=\$S(\$P(Y,";",2)="SDWL(409.3,": "EWL",\$P(Y,";",2)="GMR(123,": "CONSULT",\$P(Y,";",2)="SD(403.5,": "RECALL",\$P(Y,";",2)="SDEC(409.85,": "APPT",1: ""))	
	LAST EDITED:	SEP 10, 2015	
	HELP-PROMPT:	Select from SD WAIT LIST, REQUEST/CONSULTATION, SDEC APPT REQUEST, or RECALL REMINDERS.	
	DESCRIPTION:	This Variable Pointer field holds a pointer to either the SD WAIT LIST file, REQUEST/CONSULTATION file, SDEC APPT REQUEST, or RECALL REMINDERS file.	
409.84,.23	PATIENT STATUS	2;2 SET	
		'N' FOR NEW;	
		'E' FOR ESTABLISHED;	
	LAST EDITED:	JUN 09, 2015	
	HELP-PROMPT:	Enter N or NEW if the patient is a new patient. Enter E or ESTABLISHED if this patient has been seen in the past 24 months.	
	DESCRIPTION:	This field represents the status of the patient in regards to being a 'NEW' or 'ESTABLISHED' patient. An ESTABLISHED patient has been seen within the past 24 months.	

Figure 95: Table File (cont.)

FILES POINTED TO	FIELDS
APPOINTMENT STATUS (#409.63)	PREV APPT STATUS (#.19)
APPOINTMENT TYPE (#409.1)	APPOINTMENT TYPE (#.06)
CANCELLATION REASONS (#409.2)	CANCELLATION REASON (#.122)
NEW PERSON (#200)	DATA ENTRY CLERK (#.08) NOSHOW BY USER (#.102) CANCELLED BY USER (#.121) PROVIDER (#.16)
PATIENT/IHS (#9000001)	PATIENT (#.05)
RECALL REMINDERS (#403.5)	APPT REQUEST TYPE (#.22)
REQUEST/CONSULTATION (#123)	APPT REQUEST TYPE (#.22)
SD WAIT LIST (#409.3)	APPT REQUEST TYPE (#.22)
SDEC APPT REQUEST (#409.85)	APPT REQUEST TYPE (#.22)
SDEC RESOURCE (#409.831)	RESOURCE (#.07)
V PROVIDER (#9000010.06)	V PROVIDER IEN (#.15)
INPUT TEMPLATE(S):	
PRINT TEMPLATE(S):	
SORT TEMPLATE(S):	
FORM(S)/BLOCK(S):	

Figure 96: Table File (cont.)

STANDARD DATA DICTIONARY #409.845 -- SDEC PREFERENCES AND SPECIAL NEEDS FILE  
OCT 28,2015@21:16:22 PAGE 1  
STORED IN ^SDEC(409.845, \*\*\* NO DATA STORED YET \*\*\* SITE: TECHNICAL INTEGRATI  
ON SERVICE UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

-----  
This is where Patient Preferences are defined for Patients.

DD ACCESS:  
RD ACCESS:  
WR ACCESS:  
DEL ACCESS:  
LAYGO ACCESS:  
AUDIT ACCESS:

CROSS  
REFERENCED BY: PATIENT(B)

409.845,.01	PATIENT	0;1 POINTER TO PATIENT FILE (#2) (Required)
	LAST EDITED:	AUG 28, 2014
	HELP-PROMPT:	Select a patient
	DESCRIPTION:	This is where the PATIENT is defined for the Patient Preferences.
	CROSS-REFERENCE:	409.845^B 1)= S ^SDEC(409.845,"B",\$E(X,1,30),DA)="" 2)= K ^SDEC(409.845,"B",\$E(X,1,30),DA)
409.845,1	PREFERENCES	1;0 SET Multiple #409.8451
	LAST EDITED:	AUG 29, 2014
	DESCRIPTION:	Multiple patient preferences are defined here for a specific patient.

Figure 97: Table File (cont.)

409.8451,.01	PREFERENCE	0;1 SET (Required) (Multiply asked)
		'G' FOR GENDER SPECIFIC PROVIDER; 'H' FOR HEARING IMPAIRED; 'L' FOR LANGUAGE PREFERENCE; 'N' FOR NEEDS ESCORT; 'O' FOR ON STRETCHER; 'S' FOR SPECIAL MODE OF TRANSPORTATION; 'M' FOR MORNING; 'A' FOR AFTERNOON; 'MON' FOR MONDAY; 'TUE' FOR TUESDAY; 'WED' FOR WEDNESDAY; 'THU' FOR THURSDAY; 'FRI' FOR FRIDAY; LAST EDITED: NOV 18, 2014 HELP-PROMPT: Select a preference DESCRIPTION: The specific preference being defined for this patient. CROSS-REFERENCE: 409.8451^B 1)= S ^SDEC(409.845,DA(1),1,"B",\$(X,1,30),DA)= "" 2)= K ^SDEC(409.845,DA(1),1,"B",\$(X,1,30),DA)
409.8451,2	DATE/TIME ADDED	0;2 DATE
		INPUT TRANSFORM: S %DT="ETX" D ^%DT S X=Y K:Y<1 X LAST EDITED: OCT 20, 2014 HELP-PROMPT: Enter a date. Time is optional. DESCRIPTION: Date/Time this preference was added. Time is optional.
409.8451,3	ADDED BY USER	0;3 POINTER TO NEW PERSON FILE (#200)
		LAST EDITED: AUG 28, 2014 HELP-PROMPT: Select the user who entered this preference. DESCRIPTION: User that entered this preference.

Figure 98: Table File (cont.)





STANDARD DATA DICTIONARY #409.85 -- SDEC APPT REQUEST FILE

NOV 4,2016@18:42:44 PAGE 1  
 STORED IN ^SDEC(409.85, \*\*\* NO DATA STORED YET \*\*\* SITE: PATVEE.FO-ALBANY.MED  
 .VA.GOV UCI: DEVVVV,DEVVVV (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
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This file contains the SDEC Appt Request entries for the Appointment Scheduling application. Each entry represents a unique appointment request.

DD ACCESS:  
 RD ACCESS:  
 WR ACCESS:  
 DEL ACCESS:  
 LAYGO ACCESS:  
 AUDIT ACCESS:

POINTED TO BY: APPT REQUEST TYPE field (#.22) of the SDEC APPOINTMENT File (#409.84)  
 PARENT REQUEST field (#43.8) of the SDEC APPT REQUEST File (#409.85)  
 CHILD REQUEST field (#.01) of the MULT APPTS MADE sub-field (#409.852) of the SDEC APPT REQUEST File (#409.85)

CROSS

REFERENCED BY: PATIENT(B), INSTITUTION(C), REQ SPECIFIC CLINIC(SC),  
 REQ SPECIFIC CLINIC(SCC)

INDEXED BY: DATE/TIME ENTERED & ORIGINATING USER (AC), DATE ENTERED &  
 ENTERED BY USER (AD), CURRENT STATUS & CREATE DATE (E)

409.85,.01	PATIENT	0;1 POINTER TO PATIENT FILE (#2) (Required)
	LAST EDITED:	JUN 25, 2015
	HELP-PROMPT:	Enter the name of the patient for this Appt Request.
	DESCRIPTION:	This is the name of the patient that is to be on the SDEC APPT REQUEST list.
	TECHNICAL DESCR:	The patient selection is from the PATIENT file #2. The SDEC APPT REQUEST is 'this' file #409.85.
	CROSS-REFERENCE:	409.85^B 1)= S ^SDEC(409.85,"B",\$E(X,1,30),DA)="" 2)= K ^SDEC(409.85,"B",\$E(X,1,30),DA)
409.85,.02	PATIENT STATUS	0;7 SET (audited)
		'N' FOR NEW; 'E' FOR ESTABLISHED;
	LAST EDITED:	NOV 02, 2016
	HELP-PROMPT:	Enter N or NEW if the patient is a new patient. Enter E or ESTABLISHED if this patient has been seen in the past 24 months.
	DESCRIPTION:	This field represents the status of the patient in regards to being a 'NEW' or 'ESTABLISHED' patient. An ESTABLISHED patient has been seen within the past 24 months.
	AUDIT:	YES, ALWAYS

Figure 100: Table File (cont.)

409.85,1	CREATE DATE	0;2 DATE
	INPUT TRANSFORM:	S %DT="EX" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	JUN 25, 2015
	HELP-PROMPT:	Enter the date the request was made.
	DESCRIPTION:	This field represents the date that the appointment request was made.
	RECORD INDEXES:	E (#1352)
409.85,2	INSTITUTION	0;3 POINTER TO INSTITUTION FILE (#4) (Required)
	INPUT TRANSFORM:	S DIC("S")="I \$P(^0),U,11)="N",,\$\$TF^XUAF4(+Y )" D ^DIC K DIC S DIC=DIE,X=+Y K:Y<0 X
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select an Institution
	DESCRIPTION:	This field represents the Institution assigned to identify the specific location.
	SCREEN:	S DIC("S")="I \$P(^0),U,11)="N",,\$\$TF^XUAF4(+Y )"
	EXPLANATION:	Only allow a National/Medical Institution.
	CROSS-REFERENCE:	409.85^C 1)= S ^SDEC(409.85,"C", \$E(X,1,30),DA)="" 2)= K ^SDEC(409.85,"C", \$E(X,1,30),DA) This xref is used to speed up the lookup of Appointment Requests by INSTITUTION.
409.85,4	REQUEST TYPE	0;5 SET (Required)
		'APPT' FOR APPOINTMENT; 'MOBILE' FOR MOBILE; 'W2VA' FOR WELCOME TO VA;
	LAST EDITED:	DEC 01, 2015
	HELP-PROMPT:	Select an appointment request type
	DESCRIPTION:	This field represents the type of appointment request that being requested. .

Figure 101: Table File (cont.)

409.85,8	<p><b>REQ SPECIFIC CLINIC</b> 0;9 POINTER TO HOSPITAL LOCATION FILE (#44) (Required) (audited)</p> <p><b>LAST EDITED:</b> NOV 02, 2016  <b>HELP-PROMPT:</b> Select a clinic  <b>DESCRIPTION:</b> This field represents the clinic that this appointment request is for.</p> <p>If the patient has been assigned to the APPT REQUEST list, enter the clinic that the patient is waiting for an appointment.</p> <p><b>AUDIT:</b> YES, ALWAYS  <b>CROSS-REFERENCE:</b> 409.85^ASC^MUMPS  1)= I \$D(X) S ^SDEC(409.85,"SC",\$P(^SC(X,0),U,1),DA)=""  2)= K ^SDEC(409.85,"SC",\$P(^SC(X,0),U,1),DA)  Sort and Lookup Appointment Request by Clinic name.</p> <p><b>CROSS-REFERENCE:</b> 409.85^SCC^MUMPS  1)= I \$D(X) S ^SDEC(409.85,"SCC",\$P(^SDEC(409.85,DA,0),U,1),X,DA)=""  2)= K ^SDEC(409.85,"SCC",\$P(^SDEC(409.85,DA,0),U,1),X,DA)  Sort/Lookup Appointment Request by Specific Clinic.</p>
409.85,8.5	<p><b>REQ SERVICE/SPECIALTY</b> 0;4 POINTER TO CLINIC STOP FILE (#40.7) (audited)</p> <p><b>INPUT TRANSFORM:</b> S DIC("S")="I (\$P(^0),U,3)="")!(\$P(\$P(^0),U,3),"",1)&gt;\$P(\$NOW^XLFD,"",1))" D ^DIC K DIC S DIC=DIE,X=+Y K:Y&lt;0 X</p> <p><b>LAST EDITED:</b> NOV 02, 2016  <b>HELP-PROMPT:</b> Select a CLINIC STOP  <b>DESCRIPTION:</b> This field represents the CLINIC STOP code (also referred to as SERVICE/SPECIALTY) that is associated with this appointment.</p> <p><b>SCREEN:</b> S DIC("S")="I (\$P(^0),U,3)="")!(\$P(\$P(^0),U,3),"",1)&gt;\$P(\$NOW^XLFD,"",1))"  <b>EXPLANATION:</b> Allow only active CLINIC STOP entries.  <b>AUDIT:</b> YES, ALWAYS</p>
409.85,8.7	<p><b>REQ APPOINTMENT TYPE</b> 0;6 POINTER TO APPOINTMENT TYPE FILE (#409.1) (audited)</p> <p><b>LAST EDITED:</b> NOV 02, 2016  <b>HELP-PROMPT:</b> Select an appointment type.  <b>DESCRIPTION:</b> This field represents the appointment type for this request.</p> <p><b>AUDIT:</b> YES, ALWAYS</p>

Figure 102: Table File (cont.)

409.85,9	ORIGINATING USER	0;10 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select a user
	DESCRIPTION:	This is the user that entered this appointment request.
	RECORD INDEXES:	AC (#1353)
409.85,9.5	DATE/TIME ENTERED	3;4 DATE
	INPUT TRANSFORM:	S %DT="ETX" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Enter a date. Time is optional.
	DESCRIPTION:	This is the Date and optional Time that this appointment request entry was entered.
	RECORD INDEXES:	AC (#1353)
409.85,10	PRIORITY	0;11 SET (Required)
		'A' FOR ASAP; 'F' FOR FUTURE;
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Enter A or ASAP to set the priority as 'As Soon As Possible'. Enter F or FUTURE to set the priority as Future.
	DESCRIPTION:	This represents the appointment priority.  Future indicates that the patient needs an appointment in the future and a desired date will be entered by the user. ASAP indicates that the patient needs an appointment before the currently next available appointment (as soon as a slot opens). The desired date for ASAP will be set by the system as the current date.
409.85,10.5	ENROLLMENT PRIORITY	0;25 SET
		'1' FOR GROUP 1; '2' FOR GROUP 2; '3' FOR GROUP 3; '4' FOR GROUP 4; '5' FOR GROUP 5; '6' FOR GROUP 6; '7' FOR GROUP 7; '8' FOR GROUP 8;
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select an enrollment priority.
	DESCRIPTION:	The ENROLLMENT PRIORITY field represents the appointment Enrollment Priority.
409.85,11	REQUESTED BY	0;12 SET (Required) (audited)
		'1' FOR PROVIDER; '2' FOR PATIENT;
	LAST EDITED:	NOV 02, 2016
	HELP-PROMPT:	Enter 1 or PROVIDER if the requestor was a provider. Enter 2 or PATIENT if the requestor was the patient.
	DESCRIPTION:	This field identifies who requested the appointment - the patient or a provider.
	AUDIT:	YES, ALWAYS

Figure 103: Table File (cont.)

409.85,12	PROVIDER	0;13 POINTER TO NEW PERSON FILE (#200) (audited)
	LAST EDITED:	NOV 02, 2016
	HELP-PROMPT:	Select the provider that requested the patient's appointment.
	DESCRIPTION:	This field represents the provider that requested the appointment if the appointment was requested by a provider.
	AUDIT:	YES, ALWAYS
409.85,13	SCHEDULED DATE OF APPT	0;23 DATE
	INPUT TRANSFORM:	S %DT="ETX" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Enter the date and optional time of the scheduled appointment for this request.
	DESCRIPTION:	This is the appointment date and optional time scheduled for the patient. This appointment may be used as a reason for closing 'this' appointment request.
	TECHNICAL DESCR:	This is a date/time of the scheduled appointment related to this entry.
409.85,13.1	DATE APPT. MADE	SDAPT;1 DATE
	INPUT TRANSFORM:	S %DT="EX" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	APR 23, 2015
	HELP-PROMPT:	Enter the date that the appointment was made.
	DESCRIPTION:	This is the date the appointment was created.
	TECHNICAL DESCR:	The Appointment Creation Date. It corresponds to the DATE APPT. MADE field (#20) of the APPOINTMENT multiple (#1900) in the PATIENT file (#2).
409.85,13.2	APPT CLINIC	SDAPT;2 POINTER TO HOSPITAL LOCATION FILE (#44)
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select the clinic that this appointment is scheduled for.
	DESCRIPTION:	This is the clinic this appointment was created for.
	TECHNICAL DESCR:	Pointer to the HOSPITAL LOCATION file (#44) of the related appointment.
409.85,13.3	APPT INSTITUTION	SDAPT;3 POINTER TO INSTITUTION FILE (#4)
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select an Institution.
	DESCRIPTION:	This is the institution the clinic appointment belongs to.
	TECHNICAL DESCR:	A pointer from the HOSPITAL LOCATION file of the scheduled appointment to the INSTITUTION file (#4).

Figure 104: Table File (cont.)

409.85,13.4	APPT STOP CODE	SDAPT;4 POINTER TO CLINIC STOP FILE (#40.7 )
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select a CLINIC STOP code.
	DESCRIPTION:	This is the stop code/specialty of a clinic associated with the patient appointment. This may be different than the STOP CODE defined in the REQ SERVICE/SPECIALTY field.
	TECHNICAL DESCR:	This is the primary STOP CODE Number pointer to the CLINIC STOP file (#40.7).
409.85,13.5	APPT CREDIT STOP CODE	SDAPT;5 POINTER TO CLINIC STOP FILE (#40.7 )
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select a CLINIC STOP code.
	DESCRIPTION:	This is the credit stop code optionally assigned to the HOSPITAL LOCATION file associated with the scheduled appointment.
	TECHNICAL DESCR:	This is the secondary (optional) Stop Code Number pointer to the CLINIC STOP file (#40.7). This stop code is assigned to the HOSPITAL LOCATION file associated with the scheduled appointment.
409.85,13.6	APPT STATION NUMBER	SDAPT;6 FREE TEXT
	INPUT TRANSFORM:	K:\$L(X)>6!(\$L(X)<3) X
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Answer must be 3-6 characters in length.
	DESCRIPTION:	This is the 3-digit station number assigned to the facility plus up to 3 optional modifiers.
	TECHNICAL DESCR:	This is the STATION NUMBER field (#99) of the INSTITUTION file (#4) associated with the scheduled appointment.
409.85,13.7	APPT CLERK	SDAPT;7 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select an Appt Clerk
	DESCRIPTION:	This is the person who assigned the appointment to the REQUEST entry.
	TECHNICAL DESCR:	This is a pointer to the NEW PERSON file and it represents a person who entered the scheduled appointment into the Appointment Request.

Figure 105: Table File (cont.)

409.85,13.8	APPT STATUS	SDAPT;8 SET
		'R' FOR Scheduled/Kept; 'I' FOR Inpatient; 'NS' FOR No-Show; 'NSR' FOR No_Show, Rescheduled; 'CP' FOR Canceled by Patient; 'CPR' FOR Canceled by Patient, Rescheduled; 'CC' FOR Canceled by Clinic; 'CCR' FOR Canceled by Clinic, Rescheduled; 'NT' FOR No Action Taken;
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select an Appt Status
	DESCRIPTION:	This field identifies the status of the appointment that is associated with this appointment request.
409.85,14	SERVICE CONNECTED PERCENTAGE	SC;1 NUMBER
	INPUT TRANSFORM:	K:+X'=X!(X>100)!(X<0)!(X?.E1". "1N.N) X
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Type a number between 0 and 100, 0 decimal digits.
	DESCRIPTION:	The SERVICE CONNECTED PERCENTAGE is used to determine the service connected priority.
409.85,15	SERVICE CONNECTED PRIORITY	SC;2 SET
		'0' FOR NO; '1' FOR YES;
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Enter 0 or NO if the appointment does not get a Service Connected Priority. Enter 1 or YES if the appointment DOES get a Service Connected Priority.
	DESCRIPTION:	This field represents whether the appointment has a Service Connected Priority.
409.85,19	DATE DISPOSITIONED	DIS;1 DATE
	INPUT TRANSFORM:	S %DT="EX" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	APR 23, 2015
	HELP-PROMPT:	Enter a date.
	DESCRIPTION:	This represents the date that the patient is dispositioned from the Appointment Request list.
409.85,20	DISPOSITIONED BY	DIS;2 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select a user/provider
	DESCRIPTION:	This represents the user who dispositioned the patient from the appointment request list.

Figure 106: Table File (cont.)

409.85,21	DISPOSITION	DIS;3 SET
		'D' FOR DEATH; 'NC' FOR REMOVED/NON-VA CARE; 'SA' FOR REMOVED/SCHEDULED-ASSIGNED; 'CC' FOR REMOVED/VA CONTRACT CARE; 'NN' FOR REMOVED/NO LONGER NECESSARY; 'ER' FOR ENTERED IN ERROR; 'TR' FOR TRANSFERRED TO EWL; 'CL' FOR CHANGED CLINIC; 'MC' FOR MRTC PARENT CLOSED; LAST EDITED: JAN 05, 2016 HELP-PROMPT: Select a disposition DESCRIPTION: This field represents the reason this patient has been dispositioned from this appointment Request.
409.85,22	CID/PREFERRED DATE OF APPT 0;16 DATE (Required)	
	INPUT TRANSFORM:	S %DT="EX" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	APR 23, 2015
	HELP-PROMPT:	Enter the CID/Preferred Date of this appointment.
	DESCRIPTION:	This CID/PREFERRED DATE OF APPT field represents the date that the patient or provider has requested for the appointment.  If the priority is ASAP, this is the date the patient is placed on the REQUEST List (SCHEDULING). If the priority is FUTURE, the user enters the date that the patient/provider is requesting that the appointment is to be scheduled.
409.85,23	CURRENT STATUS	0;17 SET
		'O' FOR OPEN; 'C' FOR CLOSED; LAST EDITED: JUN 25, 2015 HELP-PROMPT: Enter O or OPEN if the APPT Request entry is open. Enter C or CLOSED if the APPT Request entry is closed.
	DESCRIPTION:	This field represents the current status of this appointment request. If the APPT Request entry is dispositioned, the status = CLOSED, otherwise, the APPT Request entry status = OPEN.
	RECORD INDEXES:	E (#1352)
409.85,25	COMMENTS	0;18 FREE TEXT (audited)
	INPUT TRANSFORM:	K:\$L(X)>80!(\$L(X)<1) X
	LAST EDITED:	NOV 02, 2016
	HELP-PROMPT:	Answer must be 1-80 characters in length.
	DESCRIPTION:	This Free Text field represents information related to the appointment request.  example: see progress note date 5/01/02 this would direct the scheduling clerk to a note that may contain lab, xray orders that need to be completed prior to the appointment.
	AUDIT:	YES, ALWAYS

Figure 107: Table File (cont.)



409.85,41	MULTIPLE APPOINTMENT RTC 3;1 SET	
		'0' FOR NO; '1' FOR YES;
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select 1 or YES if multiple appointments are needed. Select 0 or NO if multiple appointments are not needed.
	DESCRIPTION:	This field represents that Multiple Appointments need to be made.  If set to NO (0 zero), Multiple Appointment (Return to Clinic) are not scheduled.  If set to YES (1), Multiple Appointment (Return to Clinic) could be scheduled.
409.85,42	MULT APPT RTC INTERVAL 3;2 NUMBER	
	INPUT TRANSFORM:	K:+X'=X!(X>365)!(X<0)!(X?.E1"."1N.N) X
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Type a number between 0 and 365, 0 decimal digits.
	DESCRIPTION:	The MULT APPT RTC INTERVAL represents the number of Days between appointments.
409.85,43	MULT APPT NUMBER	3;3 NUMBER
	INPUT TRANSFORM:	K:+X'=X!(X>100)!(X<0)!(X?.E1"."1N.N) X
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Type a number between 0 and 100, 0 decimal digits.
	DESCRIPTION:	This field represents the number of appointments that may be needed.
409.85,43.3	MULT APPTS MADE	2;0 POINTER Multiple #409.852
	DESCRIPTION:	These are the MRTC Appointments that have been made for this appointment request.
	TECHNICAL DESCR:	These appointments are pointers to the SDEC APPOINTMENT file 409.84.

Figure 108: Table File (cont.)

409.852,.01 CHILD REQUEST 0;1 POINTER TO SDEC APPT REQUEST FILE (#409.85) (Multiply asked)

LAST EDITED: JAN 05, 2016  
 HELP-PROMPT: Select an appointment request.  
 DESCRIPTION: This field represents a 'Child' appointment request.

TECHNICAL DESCR: Pointer to the SDEC APPT REQUEST file 409.85.

CROSS-REFERENCE: 409.852^B  
 1)= S ^SDEC(409.85,DA(1),2,"B",\$E(X,1,30),DA)="  
 2)= K ^SDEC(409.85,DA(1),2,"B",\$E(X,1,30),DA)

409.852,.02 MULT APPTS MADE 0;2 POINTER TO SDEC APPOINTMENT FILE (#409.84)

LAST EDITED: JAN 05, 2016  
 HELP-PROMPT: Select an appointment  
 DESCRIPTION: This field represents one of the Multiple Appointments that have been made based on this appointment request.

TECHNICAL DESCR: Pointer to SDEC APPOINTMENT file 409.84.

409.85,43.5 MRTC CALC PREF DATES 5;0 DATE Multiple #409.851

DESCRIPTION: This multiple field holds the dates that are requested for multiple appointments.

409.851,.01 MRTC CALC PREF DATES 0;1 DATE (Multiply asked)

INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y<1 X  
 LAST EDITED: APR 18, 2015  
 HELP-PROMPT: Enter a date  
 DESCRIPTION: This field represents one of the dates requested for one of the multiple appointments.

CROSS-REFERENCE: 409.851^B  
 1)= S ^SDEC(409.85,DA(1),5,"B",\$E(X,1,30),DA)="  
 2)= K ^SDEC(409.85,DA(1),5,"B",\$E(X,1,30),DA)

Figure 109: Table File (cont.)

409.85,43.8	PARENT REQUEST	3;5 POINTER TO SDEC APPT REQUEST FILE (#409.85)
	LAST EDITED:	JAN 05, 2016
	HELP-PROMPT:	Select an appointment request
	DESCRIPTION:	This field represents the parent appointment request.
409.85,44	PATIENT CONTACT	4;0 DATE Multiple #409.8544
	DESCRIPTION:	This multiple records the patient contact events.
409.8544,.01	DATE ENTERED	0;1 DATE
	INPUT TRANSFORM:	S %DT="ETX" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	APR 22, 2015
	HELP-PROMPT:	Enter the date and optional time that this patient was contacted.
	DESCRIPTION:	This DATE ENTERED field represents the Date that an attempt was made to contact the patient regarding 'this' appointment REQUEST.  The time can also be optionally entered.
	CROSS-REFERENCE:	409.8544^B 1)= S ^SDEC(409.85,DA(1),4,"B",\$E(X,1,30),DA)=""  2)= K ^SDEC(409.85,DA(1),4,"B",\$E(X,1,30),DA)
	RECORD INDEXES:	AD (#1357) (WHOLE FILE #409.85)
409.8544,2	ENTERED BY USER	0;2 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select a user/provider
	DESCRIPTION:	This ENTERED BY USER field represents the user/provider that made an attempt to contact the patient regarding this appointment request.
	RECORD INDEXES:	AD (#1357) (WHOLE FILE #409.85)
409.8544,3	ACTION	0;3 SET
		'C' FOR CALLED; 'M' FOR MESSAGE LEFT; 'L' FOR LETTER;
	LAST EDITED:	APR 18, 2015
	HELP-PROMPT:	Select an action.
	DESCRIPTION:	The ACTION field represents the attempt that was made to contact the patient regarding 'this' appointment. C = Called M = Message Left L = Letter

Figure 110: Table File (cont.)

409.8544,4	PATIENT PHONE	0;4 FREE TEXT
	INPUT TRANSFORM: K:\$L(X)>20!(\$L(X)<4) X LAST EDITED: APR 18, 2015 HELP-PROMPT: Answer must be 4-20 characters in length. DESCRIPTION: This is the phone number used to contact the patient.	
409.85,45	VS AUDIT	6;0 DATE Multiple #409.8545 (Add New Entry without Asking)
	DESCRIPTION: This multiple is like an audit trail for specific fields and is used by Vista Scheduling GUI.	
409.8545,.01	DATE EDITED	0;1 DATE (Multiply asked)
	INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 01, 2015 HELP-PROMPT: Enter a date and time DESCRIPTION: This is the Date/Time in which the edits represented by this entry were made.	
	CROSS-REFERENCE: 409.8545^B 1)= S ^SDEC(409.85,DA(1),6,"B",\$E(X,1,30),DA)="" 2)= K ^SDEC(409.85,DA(1),6,"B",\$E(X,1,30),DA)	
409.8545,1	EDITED BY	0;2 POINTER TO NEW PERSON FILE (#200)
	LAST EDITED: DEC 01, 2015 HELP-PROMPT: Enter a user DESCRIPTION: This is the user that edited the current VS AUDIT entry.	
409.8545,2	REQ SPECIFIC CLINIC )	0;3 POINTER TO HOSPITAL LOCATION FILE (#44)
	LAST EDITED: DEC 01, 2015 HELP-PROMPT: Select a clinic DESCRIPTION: This field represents the clinic that this appointment request is for.	
409.8545,3	REQ SERVICE/SPECIALTY	0;4 POINTER TO CLINIC STOP FILE (#40.7)
	LAST EDITED: DEC 01, 2015 HELP-PROMPT: Select a CLINIC STOP DESCRIPTION: This field represents the CLINIC STOP code (also referred to as SERVICE/SPECIALTY) that is associated with this appointment request.	

Figure 111: Table File (cont.)

FILES POINTED TO	FIELDS
APPOINTMENT TYPE (#409.1)	REQ APPOINTMENT TYPE (#8.7)
CLINIC STOP (#40.7)	REQ SERVICE/SPECIALTY (#8.5) APPT STOP CODE (#13.4) APPT CREDIT STOP CODE (#13.5) VS AUDIT:REQ SERVICE/SPECIALTY (#3)
HOSPITAL LOCATION (#44)	REQ SPECIFIC CLINIC (#8) APPT CLINIC (#13.2) VS AUDIT:REQ SPECIFIC CLINIC (#2)
INSTITUTION (#4)	INSTITUTION (#2) APPT INSTITUTION (#13.3)
NEW PERSON (#200)	ORIGINATING USER (#9) PROVIDER (#12) APPT CLERK (#13.7) DISPOSITIONED BY (#20) PATIENT CONTACT:ENTERED BY USER (#2) VS AUDIT:EDITED BY (#1)
PATIENT (#2)	PATIENT (#.01)
SDEC APPOINTMENT (#409.84)	MULT APPTS MADE:MULT APPTS MADE (#.02)
SDEC APPT REQUEST (#409.85)	PARENT REQUEST (#43.8) MULT APPTS MADE:CHILD REQUEST (#.01)

#### File #409.85

##### Record Indexes:

```

AC (#1353)  RECORD  REGULAR  IR  SORTING ONLY
Short Descr: Index by CREATE DATE and ORIGINATING USER
Description: This cross reference is used to sort by CREATE DATE and
              ORIGINATING USER.
Set Logic:   S ^SDEC(409.85,"AC",X(1),X(2),DA)=""
Kill Logic:  K ^SDEC(409.85,"AC",X(1),X(2),DA)
Whole Kill:  K ^SDEC(409.85,"AC")
X(1):        DATE/TIME ENTERED (409.85,9.5) (Subscr 1) (forwards)
X(2):        ORIGINATING USER (409.85,9) (Subscr 2) (forwards)

E (#1352)  RECORD  REGULAR  IR  SORTING ONLY
Short Descr: Index by CURRENT STATUS and CREATE DATE.
Description: This cross reference is used to sort by CURRENT STATUS and
              CREATE DATE.
Set Logic:   S ^SDEC(409.85,"E",X(1),X(2),DA)=""
Kill Logic:  K ^SDEC(409.85,"E",X(1),X(2),DA)
Whole Kill:  K ^SDEC(409.85,"E")
X(1):        CURRENT STATUS (409.85,23) (Subscr 1) (forwards)
X(2):        CREATE DATE (409.85,1) (Subscr 2) (forwards)

```

Figure 112: Table File (cont.)

**Subfile #409.8544**

**Record Indexes:**

**AD (#1357)      RECORD      REGULAR      IR      SORTING ONLY      WHOLE FILE (#409.85)**  
**Short Descr:** Sort by DATE ENTERED and ENTERED BY USER of PATIENT  
CONTACTS  
**Description:** This cross reference sorts the whole SDEC APPT REQUEST file  
by the DATE ENTERED and ENTERED BY USER of the PATIENT  
CONTACTS multiple field #44.  
**Set Logic:** S ^SDEC(409.85,"AD",X(1),X(2),DA(1),DA)=""  
**Kill Logic:** K ^SDEC(409.85,"AD",X(1),X(2),DA(1),DA)  
**Whole Kill:** K ^SDEC(409.85,"AD")  
**X(1):** DATE ENTERED (409.8544,.01) (Subscr 1) (forwards)  
**X(2):** ENTERED BY USER (409.8544,2) (Subscr 2) (forwards)

**INPUT TEMPLATE(S):**

**PRINT TEMPLATE(S):**

**SORT TEMPLATE(S):**

**FORM(S)/BLOCK(S):**

**Figure 113: Table File (cont.)**

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

-----  
 This file is used by the VSE VS GUI. The file contains patient contact information regarding appointment follow up each time a patient is contacted. This file should not be edited using Fileman, the file is updated using the VSE VS GUI.

DD ACCESS: @  
 RD ACCESS: @  
 WR ACCESS: @  
 DEL ACCESS: @  
 LAYGO ACCESS: @  
 AUDIT ACCESS: @

(NOTE: Kernel's File Access Security has been installed in this UCI.)

IDENTIFIED BY: CLINIC (#1), REQUEST TYPE (#2.1)[R]

CROSS

REFERENCED BY: PATIENT(B)

CREATED ON: APR 17,2017 by REESE,DARYL

409.86,.01	PATIENT	0;1 POINTER TO PATIENT FILE (#2) (Required)
	LAST EDITED:	APR 17, 2017
	HELP-PROMPT:	Please enter current Patient!
	DESCRIPTION:	Pointer to Patient(#2) file.
	CROSS-REFERENCE:	409.86^B 1)= S ^SDEC(409.86,"B",\$E(X,1,30),DA)="" 2)= K ^SDEC(409.86,"B",\$E(X,1,30),DA)
409.86,1	CLINIC	0;2 POINTER TO HOSPITAL LOCATION FILE (#44 )
	LAST EDITED:	MAY 02, 2017
	HELP-PROMPT:	Please enter contact clinic!
	DESCRIPTION:	Pointer to Clinic(#44) file.

Figure 114: Table File (cont.)

409.86,1.1	SERVICE	0;6 POINTER TO CLINIC STOP FILE (#40.7)
	LAST EDITED:	MAY 02, 2017
	DESCRIPTION:	Pointer to CLINIC STOP(#40.7) file.
409.86,2	PREFERRED DATE	0;3 DATE
	INPUT TRANSFORM:	S %DT="EX" D ^%DT S X=Y K:Y<1 X
	LAST EDITED:	APR 17, 2017
	HELP-PROMPT:	Please enter Preferred Date of appointment.
	DESCRIPTION:	Preferred Date of appointment.
409.86,2.1	REQUEST TYPE	0;4 SET (Required)
		'A' FOR APPOINTMENT;
		'C' FOR CONSULT;
		'R' FOR RECALL;
		'V' FOR VETERAN;
		'M' FOR MOBILE;
		'P' FOR PROCEDURE;
		'E' FOR EWL;
		'W' FOR W2VA;
		'RTC' FOR RETURN TO CLINIC;
	LAST EDITED:	MAY 24, 2017
	DESCRIPTION:	Contact request type 'A'FOR APPOINTMENT, 'C'FOR CONSULT and 'R'FOR RECALL.
409.86,2.2	MAIN SEQUENCE	0;5 NUMBER
	INPUT TRANSFORM:	K:+X'=X! (X>99)! (X<0)! (X?.E1". "1N.N) X
	LAST EDITED:	APR 29, 2017
	HELP-PROMPT:	Type a number between 0 and 99, 0 decimal digits.

Figure 115: Table File (cont.)



409.86,3      DATE/TIME of CONTACT    1;0 DATE Multiple #409.863

409.863,.01      DATE/TIME of CONTACT    0;1 DATE (Required) (Multiply asked)

                 INPUT TRANSFORM:    S %DT="ETXR" D ^%DT S X=Y K:Y<1 X  
                 LAST EDITED:        MAY 01, 2017  
                 HELP-PROMPT:        Please enter DATE/TIME of CONTACT.  
                 DESCRIPTION:        Date/Time of contact.

                 CROSS-REFERENCE:    409.863^B  
                                            1)= S ^SDEC(409.86,DA(1),1,"B",\$E(X,1,30),DA)="

                                            2)= K ^SDEC(409.86,DA(1),1,"B",\$E(X,1,30),DA)

409.863,1      CONTACT TYPE                    1;1 SET

                                            'C' FOR CALL;  
                                            'L' FOR LETTER;  
                 LAST EDITED:        MAY 01, 2017  
                 DESCRIPTION:        Contact type, call or letter.

409.863,2      COMMENTS                      1;2 FREE TEXT

                 INPUT TRANSFORM:K:\$L(X)>80!(\$L(X)<1) X  
                 LAST EDITED:        APR 17, 2017  
                 HELP-PROMPT:        Answer must be 1-80 characters in length.  
                 DESCRIPTION:        Contact comments.

409.863,3      LEFT MESSAGE                    1;3 SET

                                            '0' FOR NO;  
                                            '1' FOR YES;  
                 LAST EDITED:        APR 27, 2017

409.863,4      SEQUENCE                        1;4 NUMBER (Required)

                 INPUT TRANSFORM:K:+X'=X!(X>99)!(X<1)!(X?.E1"."1N.N) X  
                 LAST EDITED:        APR 17, 2017  
                 HELP-PROMPT:        Type a number between 1 and 99, 0 decimal  
                                            digits.

409.863,5      USER ENTERED CONTACT 1;5 POINTER TO NEW PERSON FILE (#200)

                 LAST EDITED:        MAY 01, 2017  
                 DESCRIPTION:        User who entered contact.

409.863,6      DATE/TIME ENTERED            1;6 DATE

                 INPUT TRANSFORM:S %DT="ETX" D ^%DT S X=Y K:Y<1 X  
                 LAST EDITED:        APR 29, 2017

FILES POINTED TO	FIELDS
CLINIC STOP (#40.7)	SERVICE (#1.1)
HOSPITAL LOCATION (#44)	CLINIC (#1)
NEW PERSON (#200)	DATE/TIME of CONTACT:USER ENTERED CONTACT (#5)
PATIENT (#2)	PATIENT (#.01)

INPUT TEMPLATE(S):  
PRINT TEMPLATE(S):  
SORT TEMPLATE(S):  
FORM(S)/BLOCK(S):

Figure 116: Table File (cont.)

## 2.8. Internal Relations

There are no documented internal relations in VistA Scheduling GUI.

## 2.9. External Relations

No special integration agreements exist between VistA Scheduling GUI and any other package.

## 2.10. Published Entry Points

No published entry points exist in VistA Scheduling GUI.

## 2.11. Exported Option

**Table 5: Exported Option and Description**

Option Name	Description
CS Dashboard Data Compile [SDEC REPORT DATA]	This option allows scheduling administrators to initiate the Clinical Scheduling (CS) Resource Management Report data compilation. This option is also scheduled to run every 24 hours at 1:00am to ensure data is collected each day.
Add/Edit CS Resource Management Stop Codes [SDEC ADD CLINIC STOP CODES]	This option allows CS administrators to activate or deactivate Clinic Stop Codes related to the report types displayed in the CS Resource Management Report.
View CS Resource Management Clinics [SDEC VIEW CS CLINICS]	This option displays a list of clinic hospital locations that have a Primary Stop Code that matches a CS Resource Management Stop Code.
View CS Clinic Stop Codes [SDEC VIEW CS STOP CODES]	This option displays the Clinic Stop Codes configured for the CS Resource Management Report.
CLINICAL SCHEDULING PROCEDURE CALLS [SDECRPC]	This option hosts RPCs in the SDEC namespace. Access to this option is required for use.
Refresh SDEC Index global	This option prepares the ^XTMP("SDEC","IDX" global and should be scheduled to run daily at 2:00am.
SDEC INITIAL CLEANUP UTILITY	This utility will allow the VistA user to run a clean-up of SDEC APPT REQUEST entries that are erroneously in an open current status and associated with a cancellation in the corresponding SDEC APPOINTMENT entry. These entries can be committed to a closed status.
SDEC REQ REOPENED BY SDCANCEL	This option provides a report for requests reopened by SDCANCEL. The following information is listed by clinic: patient name, patient social security number (SSN), patient telephone number, and APPT Clinically Indicated Date (CID)/preferred date.

## 2.12. Parameter Definitions

Table 6: Parameter Definitions

Parameter Name	Description
SDEC DEFAULT FONT SIZE	Font size for VistA Scheduling letters.
SDEC REQ MGR GRID FILTER	Scheduling Request Manager Grid Filter.
SDEC MENTAL HEALTH STOP CODES	This parameter identifies stop codes related to the Mental Health report type for Resource Management Reporting.
SDEC PRIMARY CARE STOP CODES	This parameter identifies stop codes related to the Primary Care report type for Resource Management Reporting.
SDEC SPECIALTY CARE STOP CODES	This parameter identifies stop codes related to the Specialty Care report type for Resource Management Reporting.
SDEC DEFAULT FONT SIZE	This parameter saves the preferred default font size for VistA Scheduling letters.
SDEC REQ MGR GRID FILTER	This parameter holds the filter preference set for the Request Manager Grid.

## 2.13. Security Keys

Table 7: Exported Security Keys

Key Name	Description
SDECVIEW	VistA Scheduling GUI users with this key will have view-only access.
SDECZMENU	All Window Scheduling users must have this key to access the application.
SDECZMGR	This key should be assigned to users who manage the overall scheduling application. This key gives access to the <b>Scheduling Management</b> menu option on the VSE applications system tab.
SDOB	This key authorizes the ability to overbook the clinic to maximum allowed, as defined in clinic set-up.
SDMOB	This key authorizes the ability to overbook in the clinic over the maximum allowed, as defined in clinic set-up.
SDWL MENU	If the user does not have this key assigned, they cannot enter a new wait list request (right click option “Transfer to EWL” from an open APPT request) or perform a disposition (right click option for EWL Disposition) of a EWL request.

## **2.14. Archiving and Purging**

There is no archiving and purging in this module.

## 3. Resource Management Reporting Implementation

This functionality is disabled with GUI version 2.0.0.8; information is retained for future reference.

Resource Management Reporting displays pertinent resource management metrics in a single view, the report is used by individual facilities and staff to measure and track supply, demand, and efficiency metrics related to clinic appointments and patient encounters in VistA.

### 3.1. System Requirements

- System Requirements to run the executable Java Archive (JAR)
  - JRE (Java Run Time Environment) 1.6 or older.
  - Jaspersoft – iReport viewer 5.6 or newer.
- System Requirements for application development
  - JDK (Java Development Kit) 1.6
  - Eclipse IDE
  - Jaspersoft – iReport viewer 5.6 or newer.
  - XML Editor (Textpad, EditPlus, Notepad)

### 3.2. Application Files

**SDEC\_VSE\_ReportConsole.jar** is the executable JAR package file which launches the GUI for report console. The GUI will display all the available filter options to be selected before generating the report. The filters are explained below.

**SDEC\_VSE.xml** acts as the source file from where the data will be collected, parsed and populated into the UI filters. This file is used again to generate the Jasper Reports.

**JRXML files** are JasperReport template files, they are actually standard XML formatted files but have the .jrxml extension. All the JRXML files contain tag <jasperReport>, as root element, and also contain many sub-elements that constitute all of the report definition and properties. Resource Management Reporting uses an XML formatted file as the data source for rendering the report and charts. During the report rendering process the .jrxml file is compiled into a corresponding .jasper file.

**SDEC\_VSE\_ReportTemplate.jrxml** is the template file for the main report, it contains references to the compiled charts reports (.jasper) files. During the rendering process the jrxml file is compiled into a SDEC\_VSE\_ReportTemplate.jasper file.

**TotalDemandCharts.jrxml** is the template file for the Total Demand line chart subreport. The jrxml file is compiled into its own corresponding TotalDemandCharts.jasper file.

**TotalDemandSupplyCharts.jrxml** is the template file for the Total Demand and Total Supply combined column chart subreport. The jrxml file is compiled into its own corresponding TotalDemandSupplyCharts.jasper file.

**TotalSupplyCharts.jrxml** is the template file for the Total Supply line chart subreport. The jrxml file is compiled into its own corresponding TotalSupplyCharts.jasper file.

**VSE\_LOG.log** is used to log any errors or warnings when the Resource Management Reporting java application is executed. This component was implemented using the Log4J java logging framework. Log4J is an open source API which lets the developer log any kind of statements as part of the application execution. This helps in tracking errors and other warnings to aid in troubleshooting any issues with the application.

The Resource Management application is utilizing the Log4J API to log any errors or warnings into a new file named “VSE\_LOG.log”. This file is created at runtime and stored with all of the application files in the designated application folder. The file contains the complete stack trace of the error/warning. The Java application creates one log file per each time it is executed by the user and this existing log file is always overwritten each time the application is launched or re-launched. However, if we have multiple errors/warnings as part of the same instance of the program execution, then the errors/warnings are appended to the existing log file.

### **3.3. Resource Management Reporting Java Application Build Process**

**This functionality is disabled per the VSE Additional Enhancements Modifications – Epic 13.6; therefore, the remainder of this section is no longer applicable.**

The application is mainly built using the Ant tool and a build script (build.xml). The build file defines the class path and the prerequisites which include all the external JAR dependencies. All of the dependencies will be copied into a single structure and the source files will be compiled. The compiled class files will be packaged along with the dependent JAR libraries, configurations, and XML files. We are using Ant version 1.9.4.

## 3.4. Data Flow Diagram

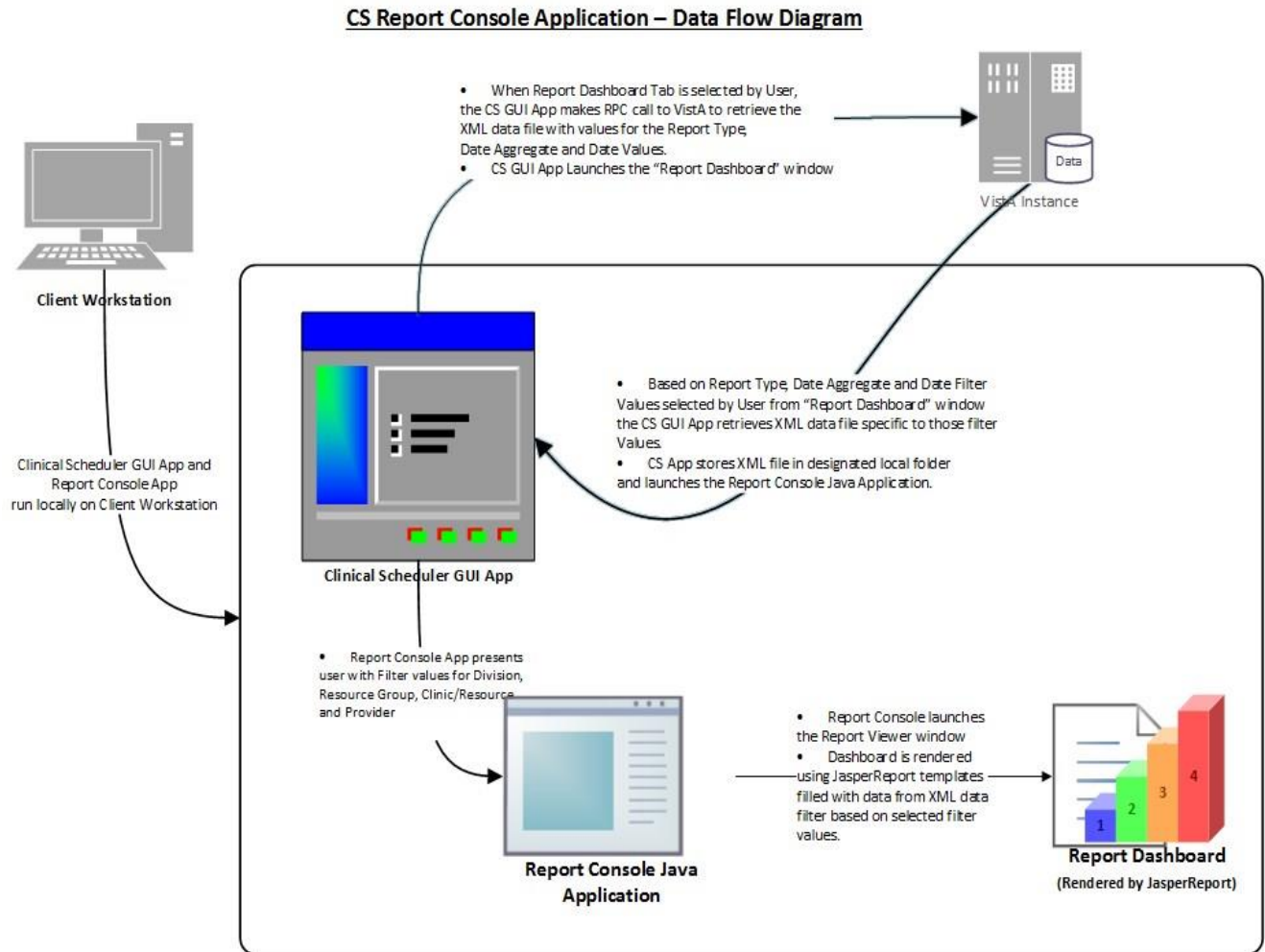


Figure 117: VistA Scheduling GUI Data Flow Diagram

## 3.5. Implementation of Report Filters

Some of the filters (Report Type, Date and Date Aggregate) will be selected on the VistA Scheduling GUI by the user before the Report Console is started. These three filter values will be part of the SDEC\_VSE.xml document. When the UI for report console is initiated, the Java application will immediately look for these filters on the XML document and populate them as the default values on the Report Console. All other remaining filters would have generic values. Once the UI is up and running with these default filters, the User can select any value from the renaming filter lists to kick start the hierarchy.

Below are fragments of the XML source file which has the default filter values for Report Type, Date and Date Aggregate.

```
<?xml version="1.0" encoding="UTF-8"?>
<VAFacility Name="CHEYENNE VAMC" ID="442">
  <ReportType ReportType="Primary Care">
```

```

        <DateAggregate DateAgg="Year">
            <Date ActivityDate="01/23/2015" BeginDate="01/23/2014"
            EndDate="01/23/2015" DateName="01/23/2014-01/23/2015">
                ...SOURCE XML BODY...
            </Date>
        </DateAggregate>
    </ReportType>
</VAFacility>

```

## 3.6. Resource Management Reporting Application Functions

### 3.6.1. Report Filter Functionality

All the filters populated in the report UI will be part of the data parsed from the input SDEC\_VSE.xml. All the filters are based on a hierarchical structure, where each filter is dependent on the parent filter selection. The hierarchy and descriptions are described below:

- **VA Facility** is the name of the facility for which reports are generated.
- **Report Type** defaults to the type from the VistA Scheduling GUI for which the report is being generated.
- **Date Aggregate** is the duration of the appointment cycle also defaulted to the value from the VistA Scheduling GUI. The available values are Year, Quarter, Month, Week, and Day.
- **Date** represents the activity date based on the date aggregate selected from the VistA Scheduling GUI. This filter normally has the range of dates available by week, month, quarter, and year.
- **Division** filter is populated with all the available Division names available for the selected date activity. Based on the data from the source XML, this filter will let the user select 'ALL' divisions.
- **Resource Group** filter contains a list of available resource groups for the selected division. When 'All' Divisions are selected, this filter will contain all the available Resource Groups for all the Divisions. Based on the data from the source XML, this filter will let the user select 'ALL' resource groups and is defaulted to 'All' groups.
- **Clinic/Resource Name** filter represents the Clinics & Resource names under the selected Resource Group. The filter will not have any default values and the user has to make a selection to continue with the report generation process. Based on the data from the source XML, this filter will let the user select 'ALL' clinics/resources.
- **Provider** filter represents the Provider names under the selected Resource Group & Clinics. The filter will not have any default values and the user has to make a selection to continue with the report generation process. Based on the data from the source XML, this filter will let the user select 'ALL' providers for the selected Clinics



Once all filters are selected, the **Generate Report** button is activated and the user can generate the required report with charts (if chart data is available). See diagram below:

**Figure 118: VistA Scheduling GUI Report Console**

The report is opened in another applet window, the Report Viewer window, which lets the user print, save or export the report to 3 different formats, these are pdf, csv and rich text format (rtf) formats. The image below highlights the Save/Export and Print Features as implemented with the Report Viewer applet.

Clinical Scheduler Resource Management Dashboard			
Facility:	CHEYENNE VAMC		
Report Type:	Primary Care	Division:	
Resource Group:	All	Provider:	
Clinic/Resource:	All		
Date	Measure	Actual	Over
01/23/2014 - 01/23/2015	Total Supply	15,484.91	

**Figure 119: Save/Export/Print Features**

Once the report is generated and saved, the user can switch back to the report console window at any point and generate different reports with a different set of filters. See image below for an example of the Report Viewer UI.

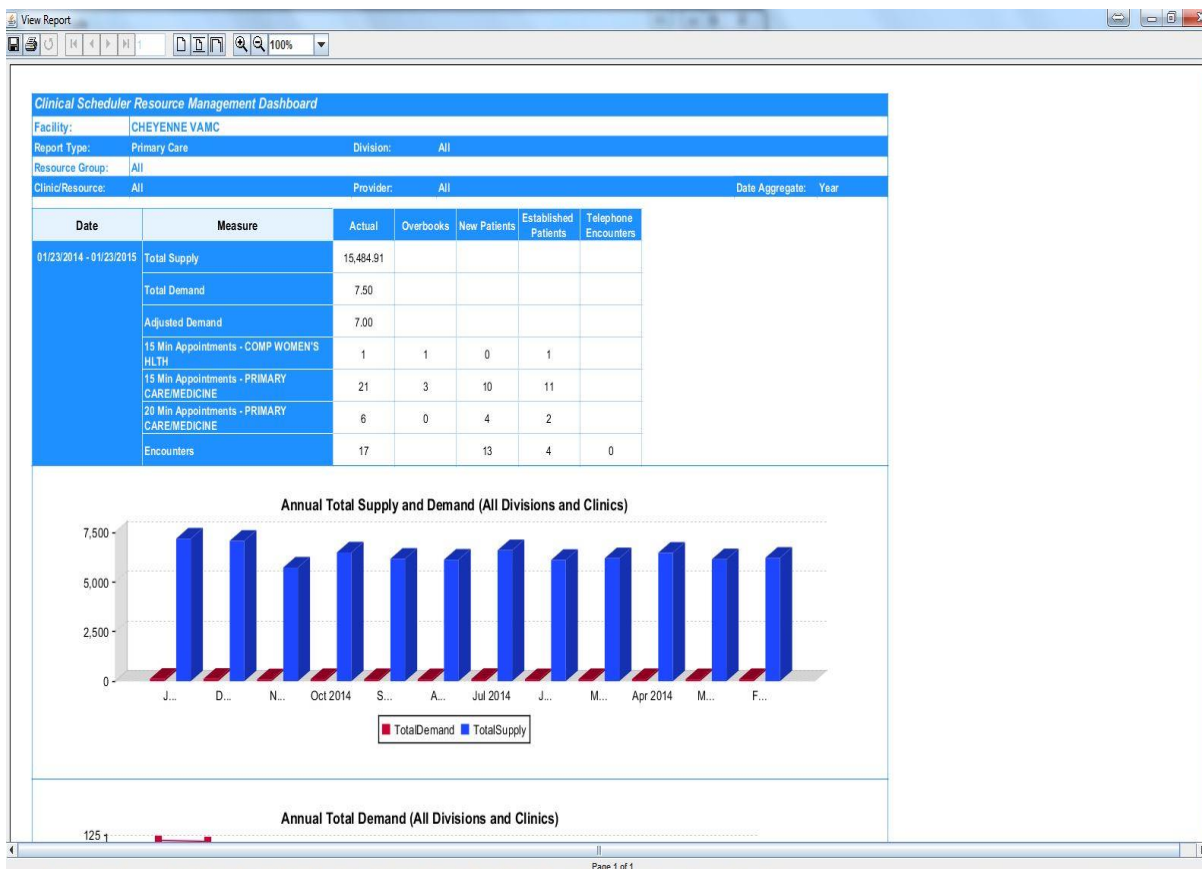


Figure 120: Report Viewer

### 3.6.2. Java Classes Implementation

The Resource Management Reporting application is a Swing based Java application developed using Java and JasperReport components. The Java classes utilized in the project are outlined below:

Table 8: Java Class Name and Purpose

Class Name	Purpose
ReportConsole.class	Main implementation class which invokes the GUI.
XMLParser.class	This is a DOM/XPath based parser used to parse the GUI filter data from the incoming source XML from Resource Management Reporting.
ReportsAndCharts.class	This is the reports implementation class which takes the data from the GUI and looks through the source XML for data needed to generate the reports and charts
XPathQueryReplacer.class	This is a utility class used to append the incoming facility name into the Jasper Reports query.

Class Name	Purpose
Utilities.class	This is another utility method which stores all required utility methods.
VSEConstants.class	This is a method which holds all constant values for the application's use.
Build.xml	This is the ant script which is used for building the jar file with all dependencies.

### 3.6.3. Report Viewer Functionality

The Reports tab of the VISTA SCHEDULING GUI application launches the Resource Management Reporting Filter window where a user can input filters values such as the Report Type, Date Aggregate and Date values for the reports that they wish to display. This UI is shown below:

**Figure 121: Report Viewer Functionality**

After a User selects the first 3 filters for a Report and they click the submit button, they are presented with the Report Console Application with another set of filter inputs that they can use to further filter report data.

ReportConsole

Vista Scheduling Report Console

Facility: CHEYENNE VAMC

Report Type:

Primary Care

Date Aggregate:

Year

Date:

01/23/2014 - 01/23/2015

Division:

All

Resource Group:

All

Clinic/Resource:

All

Provider:

All

Generate Report

**Figure 122: Report Console**

### 3.6.4. Report Viewer Error Handling and Resolution

The VISTA SCHEDULING GUI application is designed to launch the Resource Management Reporting Application within a Java Virtual Machines (JVM) window by executing the compiled java application (.jar) file with an argument to provide the location of the folder where the data source file (SDEC\_VSE.xml) and the JasperReport template files (.jrxml). An example of the command to launch the Resource Management Reporting Application with the required argument is shown below:

***Java -jar SDEC\_VSE\_ReportConsole.jar C:\Users\VA\_User\Documents***

If the path to the folder provided in the argument does not exist or is otherwise invalid, then the user will see an error window.

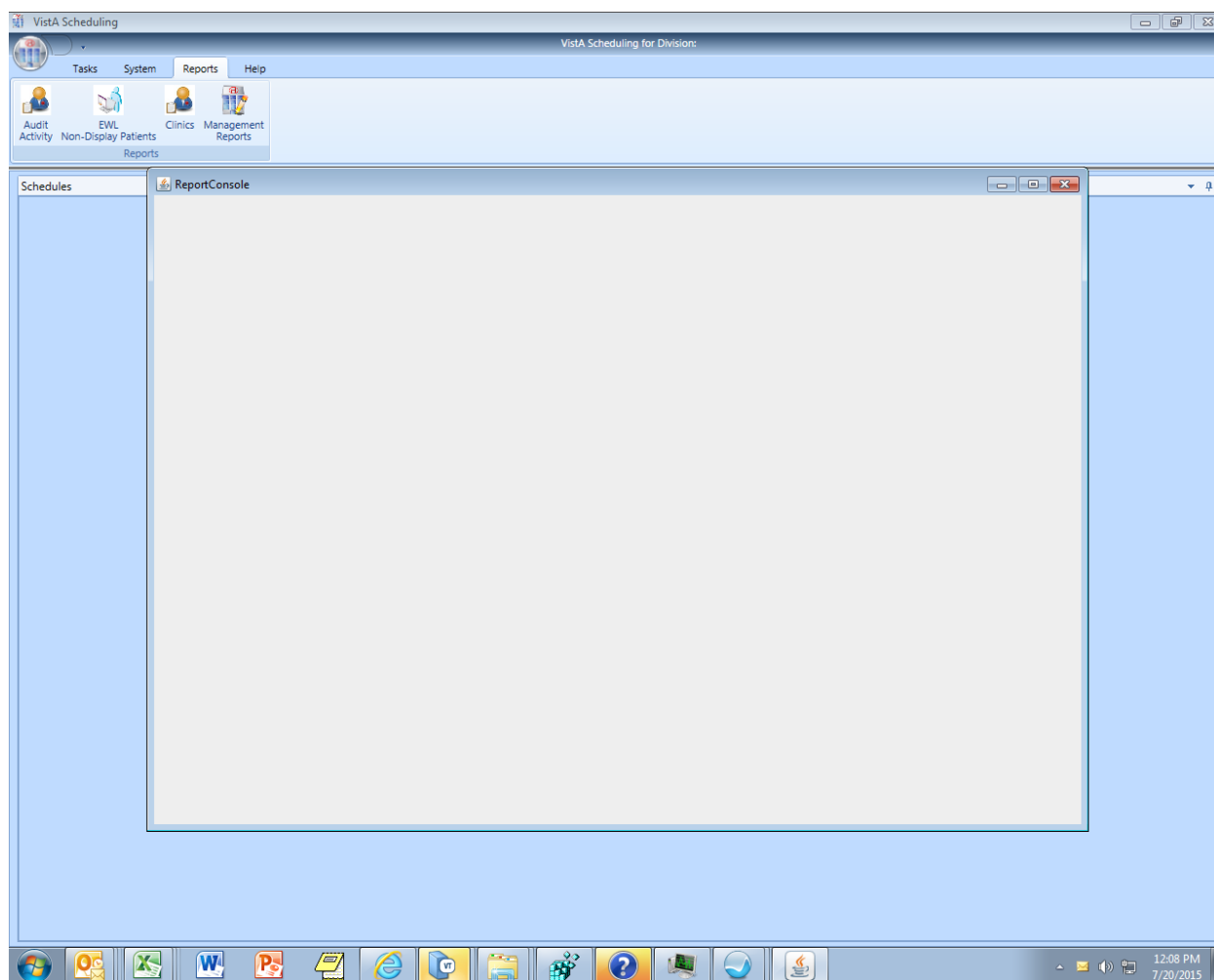
Some of the causes and potential resolution of this errors are listed in the sections below.

#### 3.6.4.1. Invalid Folder or Folder Does Not Exist

When the folder location provided to the Resource Management Reporting java application does not exist, an error window is displayed. The VS GUI application uses the HOMEPATH windows environment variable to determine the documents folder for storing the application working files, i.e. the .xml and .jrxml files, check the value set for the HOMEPATH variable to confirm that the folder is valid and that the user is has access to this folder.

### 3.6.4.2. Missing Source Data File (SDEC\_VSE.xml)

The VISTA SCHEDULING GUI application uses RPCs to download the source data XML file from the central server to the folder path set by the HOMEPATH environment variable on the user's local workstation. When a user launches the Resource Management Reporting Application, this XML file is accessed and parsed by the application in order to render the report content, if there was an issue with downloading the XML file either because of access permission issue or an invalid folder path and the file is missing from the designated HOMEPATH folder, then the user would see an empty Report Viewer window as shown below:



**Figure 123: Report Viewer**

In order to resolve this issue, check that the user has the right permissions to the HOMEPATH folder and also check that the folder name that is set in this environment variable does not have invalid characters such as "\$" or "&" that may cause the process of parsing the folder name to fail. If there are invalid characters in the folder name then this issue may have to be escalated to the development team to review and resolve.

### 3.6.4.3. Java Application Exception Error Logs

The Resource Management Reporting Application is designed to log java exception errors to a log file “SDEC\_VSE\_LOG.log”. This log file is usually created in the same working folder as the .XML data source file and .JRXML JasperReport template files. The java exceptions logged into the file provide critical information for diagnosing issues with launching and using the Resource Management Reporting Application. An excerpt from the contents of the log file below shows a scenario where the data source XML file was not found by the application at runtime, in this case the issue will have to be resolved by ensuring that the XML file was properly created and loaded into the correct folder as expected by the application.

*Jun 01, 2015 7:53:59 PM gov.va.med.scheduling.utilities.Utilities logger*

*INFO: Exception in XML Parser*

*Jun 01, 2015 7:53:59 PM gov.va.med.scheduling.utilities.Utilities logger*

*INFO: java.io.FileNotFoundException: C:\temp\Test My Documents\SDEC\_VSE.XML (The system cannot find the file specified)*

*at java.io.FileInputStream.open(Native Method)*

*at java.io.FileInputStream.<init>(Unknown Source)*

*at java.io.FileReader.<init>(Unknown Source)*

*at gov.va.med.scheduling.infra.XMLParser.replaceAposInXML(XMLParser.java:304)*

*at gov.va.med.scheduling.infra.XMLParser.loadFilters(XMLParser.java:49)*

*at gov.va.med.scheduling.ui.ReportConsole.getFacilityName(ReportConsole.java:433)*

*at gov.va.med.scheduling.ui.ReportConsole.<init>(ReportConsole.java:53)*

*at gov.va.med.scheduling.ui.ReportConsole.main(ReportConsole.java:420)*

## 4. Generating Online Documentation

This section describes a few methods to generate VistA Scheduling GUI system technical documentation. VistA Scheduling GUI software technical documentation can be generated through the use of several Kernel options, in addition to that which may be accessed via the *Help* prompts throughout the VistA Scheduling GUI module. Such Kernel options include, but are not limited to, the following:

- %INDEX
- VA FileMan
- Data Dictionary Utilities
- List File Attributes

For further information about other utilities that supply online technical information, consult the VistA Kernel reference manual.

### 4.1. %INDEX

This option analyzes the structure of a routine to determine, in part, if the routine adheres to VistA programming standards. The %INDEX output can include the following components:

- Compiled list of errors and warnings
- Routine listing
- Local variables
- Global variables
- Naked globals
- Label references
- External references

Running %INDEX for a specified set of routines allows users to discover any deviations from VistA programming standards that exist in the selected routines, and to see how routines interact with one another; for example, which routines call, or are called by, other routines.

## 4.2. List File Attributes

VA FileMan option allows users to generate documentation pertaining to files and file structure. Using the standard format of this option yields the following data dictionary information for a specified file:

- File name and description
- Identifiers
- Cross-references
- Files pointed to by the file specified
- Files that point to the file specified
- Input, print, and sort templates

In addition, the following applicable data is supplied for each field in the file:

- Field name, number, title, and description
- Global location
- Help prompt
- Cross-references
- Input transform
- Date last edited
- Notes

Using the global map format of this option generates an output that lists the following information:

- All cross-references for the file selected
- Global location of each field in the file
- Input, print, and sort templates

## 4.3. Standards and Conventions Requirements and Exemptions

There are no exemptions to the Standards and Conventions (SAC) standards for this version.

## 4.4. Callable Routines

Not applicable.



## 5. Glossary and Acronmys

**Table 9: Terms and Definitions**

Term / Acronym	Definition
ANSI	American National Standards Institute
APPT	Appointment
Archiving	The storing of historical or little used data off-line (often on tape)
ASCII	American Standard Code for Information Interchange
Banner	A line of text with a user's name and domain
Browser	An interactive application that displays American Standard Code for Information Interchange (ASCII) text on a terminal that supports a scroll region; text can be in the form of a word-processing field or sequential local or global array and the user is allowed to navigate freely within the document
Callable Entry Points	Places in a routine that can be called from an application program
CID	Clinically Indicated Date
Cross-reference	An indexing method whereby files can include pre-sorted lists of entries as part of the stored database; cross-references (x-refs) facilitate look-up and reporting
CS	Clinical Scheduling
Default Facility	A user selects a facility identification to work with patients registered to that facility
Dev	Developer
DHCP	Dynamic Host Configuration Protocol: A standardized network protocol used on Internet Protocol (IP) networks for dynamically distributing network configuration parameters, such as IP addresses for interfaces and services
Entry Point	Entry point within a routine that is referenced by a "DO" or "GOTO" command from a routine internal to a package
EWL	Electronic Wait List
File	A set of related records or entries treated as a single unit
FileMan	The database management system for VistA
GB	Gigabyte
Global	In Massachusetts General Hospital Utility Multi-Programming System (MUMPS), global refers to a variable stored on disk (global variable) or the array to which the global variable may belong (global array)

Term / Acronym	Definition
GUI	Graphical User Interface
HHS	Health and Human Services
INDEX (%INDEX)	A Kernel utility used to verify routines and other MUMPS code associated with a package; checking is done according to current American National Standards Institute (ANSI) MUMPS standards and VistA programming standards – this tool can be invoked through an option or from direct mode (>D^%INDEX)
Init	Initialization of an application package; the initialization step in the installation process builds files from a set of routines (the init routines)
IEN	Internal Entry Number: The number used to identify an entry within a file; every record has a unique IEN
IRM	Information Resource Management: VA personnel responsible for Information Systems Management and security
IP	Internet Protocol
Kernel	The set of MUMPS software utilities that function as an intermediary between the host operating system and application packages, such as Laboratory and Pharmacy; Kernel provides a standard and consistent user and programmer interface between application packages and the underlying MUMPS implementation – these utilities provide the foundation for VistA
KIDS	Kernel Installation and Distribution System
Menu	A list of choices for computing activity; a menu is a type of option designed to identify a series of items (other options) for presentation to the user for selection – when displayed, menu options are preceded by the word “select” and followed by the word “option” (as in: select <i>Menu Management</i> option, the menu’s select prompt)
MS	Microsoft
MUMPS	Massachusetts General Hospital Utility Multi-Programming System
Namespace	A unique set of two to four alpha characters that are assigned by the database administrator to a software application
Option	An entry in the <b>Option</b> file; as an item on a menu, an option provides an opportunity for users to select it, thereby invoking the associated computing activity – options may also be scheduled to run in the background, non-interactively, by TaskMan

Term / Acronym	Definition
PIMS	Patient Information Management System
Queuing	Requesting that a job be processed at a later time rather than within the current session
RAM	random access memory
RPC	Remote Procedure Call: An entry in the REMOTE PROCEDURE file that points to specific M code to execute when called by an external Windows application
Routine	A program or sequence of instructions called by a program that may have some general or frequent use; MUMPS routines are groups of program lines that are saved, loaded, and called as a single unit via a specific name
SAC	Standards and Conventions
SSN	Social Security Number
TW	Technical Writer
UCI	User Class Identification: A computing area
Up-Hat (^)	A circumflex, also known as a “hat” (or “caret”) that is used as a piece delimiter in a global; the up-hat is denoted as “^” and is types by pressing <b>Shift + 6</b> on the keyboard
Utility	A callable routine line tag or function; a universal routine usable by anyone
VA	Department of Veterans Affairs
Variable	A character or group of characters that refers to a value; MUMPS recognizes three types of variables: local variables, global variables and special variables – local variables exist in a partition of the main memory and disappear at sign-off; a global variable is stored on disk, potentially available to any user, and usually exist as parts of global arrays
VistA	Veterans Health Information System and Technology Architecture
VSE	VistA Scheduling Enhancements
WYSIWYG	What You See Is What You Get
X-refs	Cross-references